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Bulletin 130-85
May 1988

HYDROLOGIC DATA 1985

Volume III: Central Coastal Area



Gordon K. Van Vleck
Secretary for Resources
The Resources Agency

George Deukmejian
Governor
State of California

David N. Kennedy
Director
Department of Water Resources

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ON THE COVER: A view on the
Sacramento River as it nears the
Pacific.

Department of
Water Resources

Bulletin 130-85

HYDROLOGIC DATA 1985

**Volume III:
Central Coastal Area**

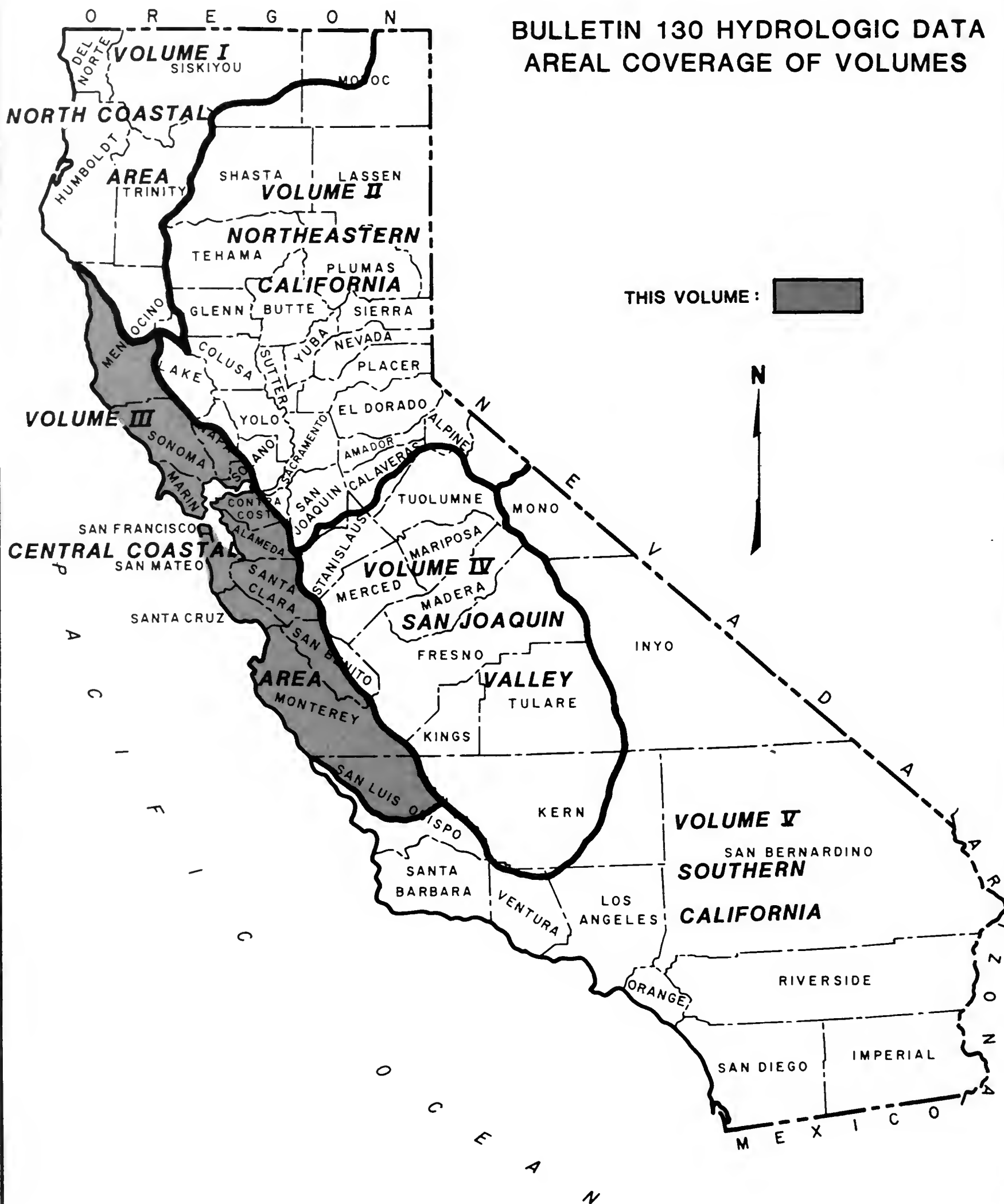
May 1988

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BULLETIN 130 HYDROLOGIC DATA AREAL COVERAGE OF VOLUMES

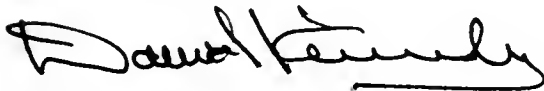


FOREWORD

The Department of Water Resources' Bulletin 130 series, which presents hydrologic data for California, was published annually from 1963 to 1975. The series was discontinued with the advent of the storage and retrieval of hydrologic data by electronic data processing methods. However, continued interest in the series prompts resumption of publication.

The first in the resumed series is Bulletin 130-85. It contains hydrologic data for the 1985 water year (October 1, 1984 through September 30, 1985). The Bulletin is published in five volumes, each of which reports on one of the five areas of the State delineated on the facing map. This volume covers Central Coastal California from Mendocino County on the north to San Luis Obispo County.

The data collection program of the Department of Water Resources supplements similar activities by other agencies to obtain the information required for effective water resources planning, design and operation of water facilities, and for control and management of the State's water resources.



David N. Kennedy, Director
Department of Water Resources

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The California Water Commission serves as a policy advisory body to the Director of Water Resources on all California water resources matters. The nine-member citizen commission provides a water resources forum for the people of the State, acts as a liaison between the legislative and executive branches of state government, and coordinates federal, state, and local water resources efforts.

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Alameda County Flood Control and Water Conservation District

Alameda County Water District

California Water Service Company

Contra Costa County Network

Marin Municipal Water District

Monterey County Flood Control and Water Conservation District

Napa County Flood Control and Water Conservation District

National Weather Service

San Benito County

San Luis Obispo County Flood Control and Water Conservation District

Santa Clara Valley Water District

Solano Irrigation District

INTRODUCTION

Bulletin 130-85 presents data on the quantity and quality of California's water resources for the water year October 1, 1984 through September 30, 1985. These data were collected by the Department of Water Resources and other organizations cooperating with the Department. The data are published in five volumes (for areal coverage of volumes see page ii). This volume encompasses the Central Coastal Area. Each volume contains data presented in five appendixes as follows:

Appendix	Subject
A	Precipitation Measurements
B	Surface Water Measurements
C	Surface Water Quality
D	Ground Water Measurements
E	Ground Water Quality

Inquiries regarding the data in this publication should be directed to the offices of the Department of Water Resources listed inside the back cover. The Department's files also contain some data currently not being published, which are also available from these offices.

Additional information about the availability of hydrologic data for California will be found in Department of Water Resources Bulletin 230 series "Index to Sources of Hydrologic Data." This reference series presents an inventory of historic hydrologic data on file with the Department. The most recent issue is Bulletin 230-81. A new edition is in preparation.

Station Location and Identification

The locations of precipitation and surface water quality data stations are shown on figures included with the respective appendix. Because there are so many individual wells, plotting these on a map in this volume is impractical. Instead, figures are presented in the respective appendix which delineate the areas for which data are listed.

The principal identifiers for locating hydrologic data stations are (1) station name, (2) station number, (3) latitude and longitude, (4) township, range and section (T,R and S) and (5) county. All are used in this publication, but vary with the type of data and common usage. For example, in ground water the township, range and section serve as the station name and number.

A sixth identifier, an areal one, is employed in this publication. Called the "Areal Designation Code," it is the signature for the Department's Areal Designation System, which was developed to relate all water resources data to areal location. The Areal Designation System and Code are described in the following section.

Detailed explanations of the station names and station numbers used for each type of data appear with the appendix in which the data appear.

Latitude is the angular measurement from the equator, north or south, to a point of interest on the earth's surface. Longitude is the angular measurement from the prime meridian (zero point) at

Greenwich, England, east or west, to a point of interest on the earth's surface. Latitude and longitude are given in degrees, minutes and seconds. A difference of one second of latitude represents about 100 feet on the ground. In California, a difference of one second of longitude represents about 85 feet on the ground.

Areal Designation Code

The areal designation code (called simply the "areal code") is an alphanumeric which designates a specific hydrologic area in the State.

Areal designation defines hydrologic boundaries throughout California. Under this system, the State is divided into four geographic levels based on topography, hydrology, geology and occasionally, institutional considerations. These are designated, in decreasing size, hydrologic basin (HB), hydrologic unit (HU), hydrologic area (HA) and hydrologic subarea (HSA). The first level, the hydrologic basin, is the land area defined by the highest surrounding ridges such that each separate land area is easily identified as independent of the others. There are 12 hydrologic basins in California and each is identified by a letter (see Figure 1). Each of the hydrologic basins is divided into hydrologic units which encompass a major watershed, two or more small contiguous watersheds having similar characteristics, or a closed drainage area. The third level of subdivision is the hydrologic area and the fourth and smallest breakdown is the hydrologic subarea. The latter usually is a single ground water basin, a definable portion of a larger ground water basin, a tributary area of a stream system, or a definable portion of a large stream tributary.

The code used to identify each subdivision consists of five characters; a letter for the hydrologic basin; two numerics for the hydrologic unit; a letter for the hydrologic area; and a single numeric for the hydrologic subarea; for example, E02.B1 designates the Pacifica Hydrologic Subarea in this volume.

Because several stations may be located in a given hydrologic subarea, the areal code facilitates locating and comparing nearby stations, be they precipitation, streamflow, water quality or ground water stations. The areal code is used as an identifier for all stations in this report. The Water Data Information System (WDIS), a computerized data system of the Department of Water Resources, can retrieve all data types by areal code.

Areal codes and boundaries in relation to the latitude and longitude of the Central Coastal Area appear on Figure 2. A map showing all areal codes and boundaries in California as well as a list of all 1,309 subdivisions and their names is available on request.

Basin Code

In addition to the *areal* code symbol for identifying the hydrologic basin, a *basin* code symbol, which in some cases differs from the areal code letter designation, is also employed. The basin code identifies the hydrologic basin (HB), but is used in stationing for surface-water measurement and surface-water quality data only. These basin codes are also shown in Figure 1, and, for clarity, the areal-code letters are circled where they differ. Basin codes refer to surface-water stationing, whereas areal codes refer to climatological stationing and hydrologic location for all stations in this report. Stationing and codes for each application are further discussed in the appropriate appendix.

Agency Code

Reference is made in various tables in this publication to code numbers used to identify agencies collecting data, operating stations, or performing laboratory analysis (Lab). The agencies or laboratories may be identified by matching the tabulated code number with one of the code numbers listed at the beginning of the respective appendix. A complete cross index of agencies and code numbers is available on request.

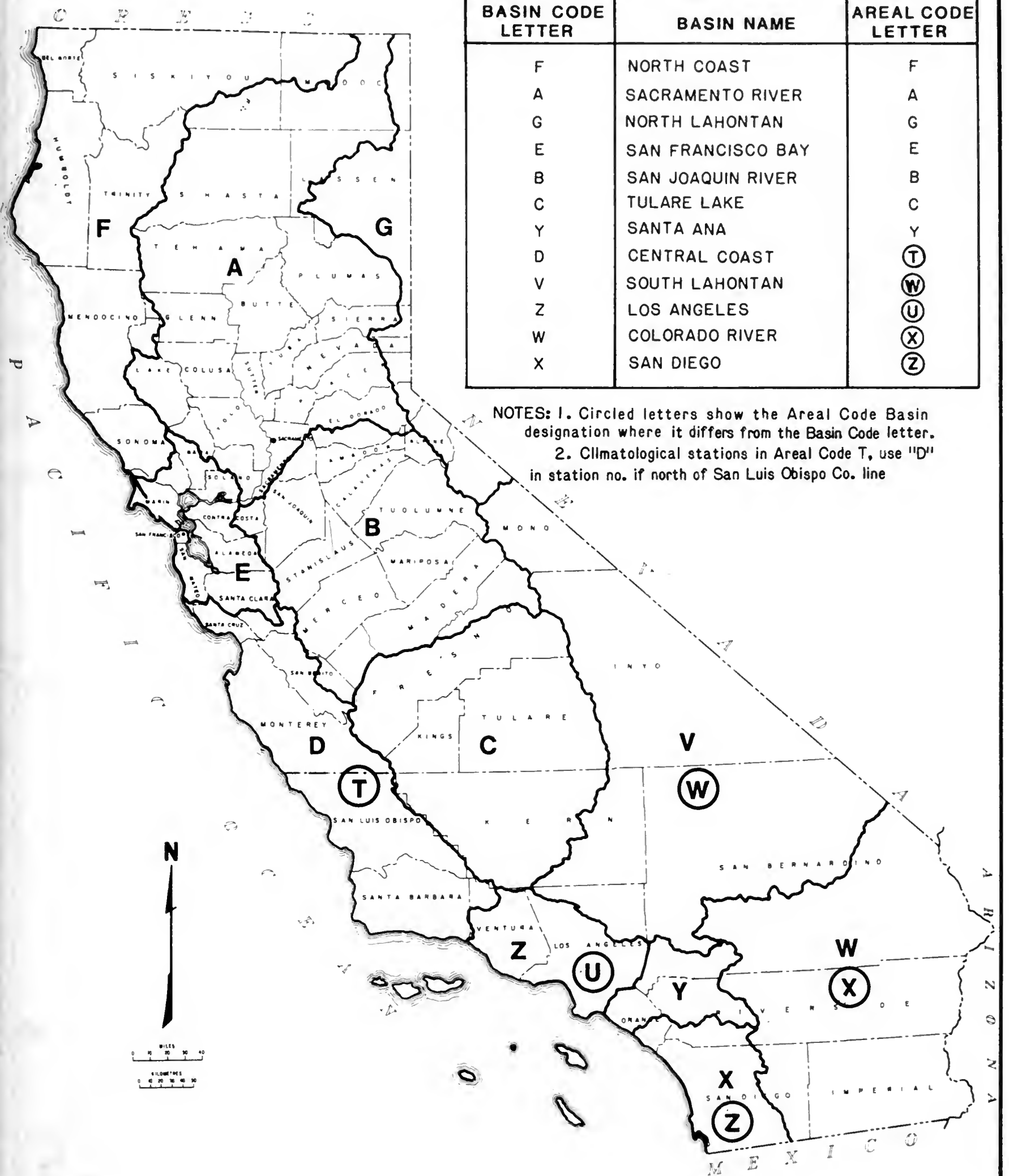
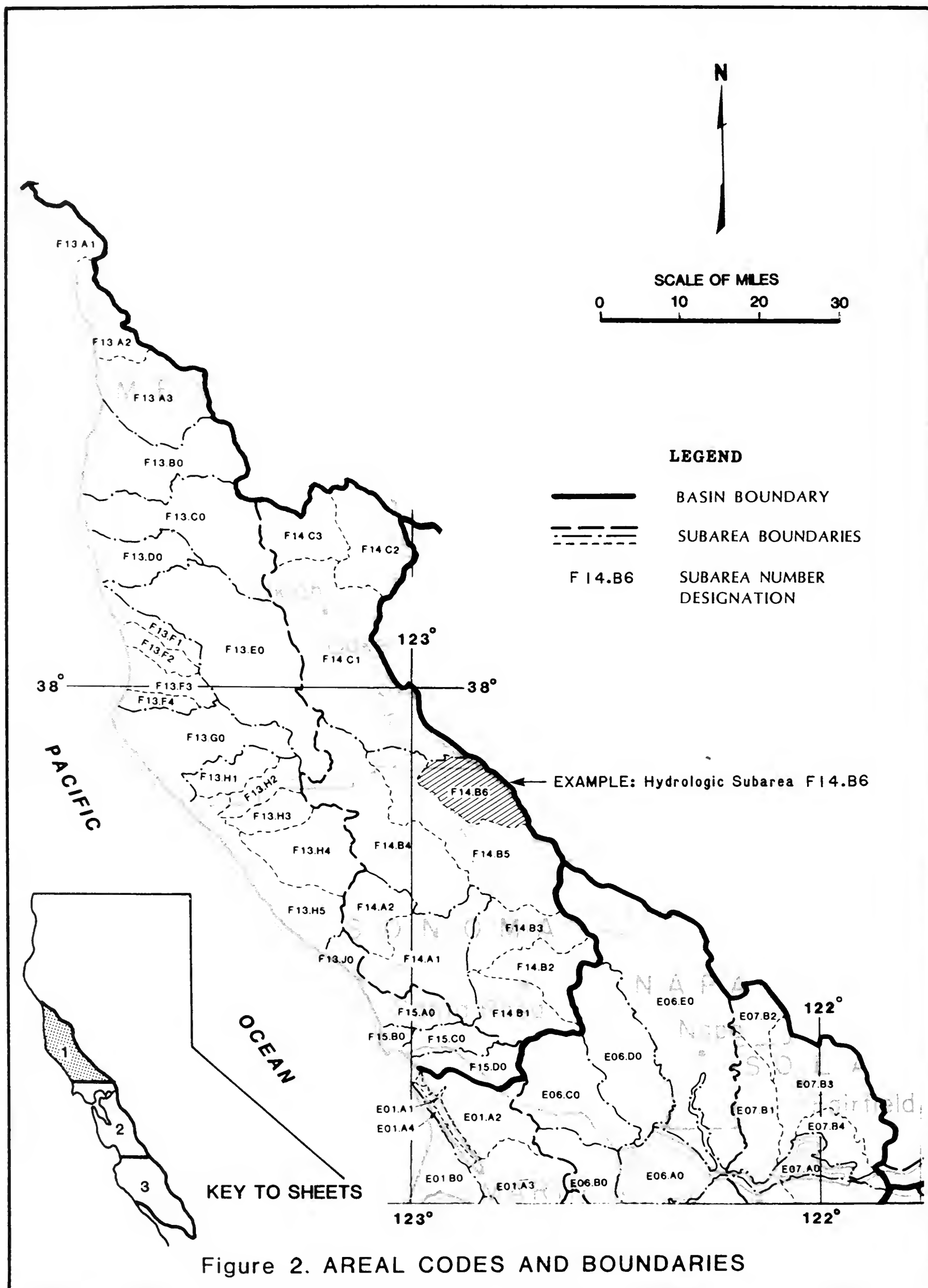
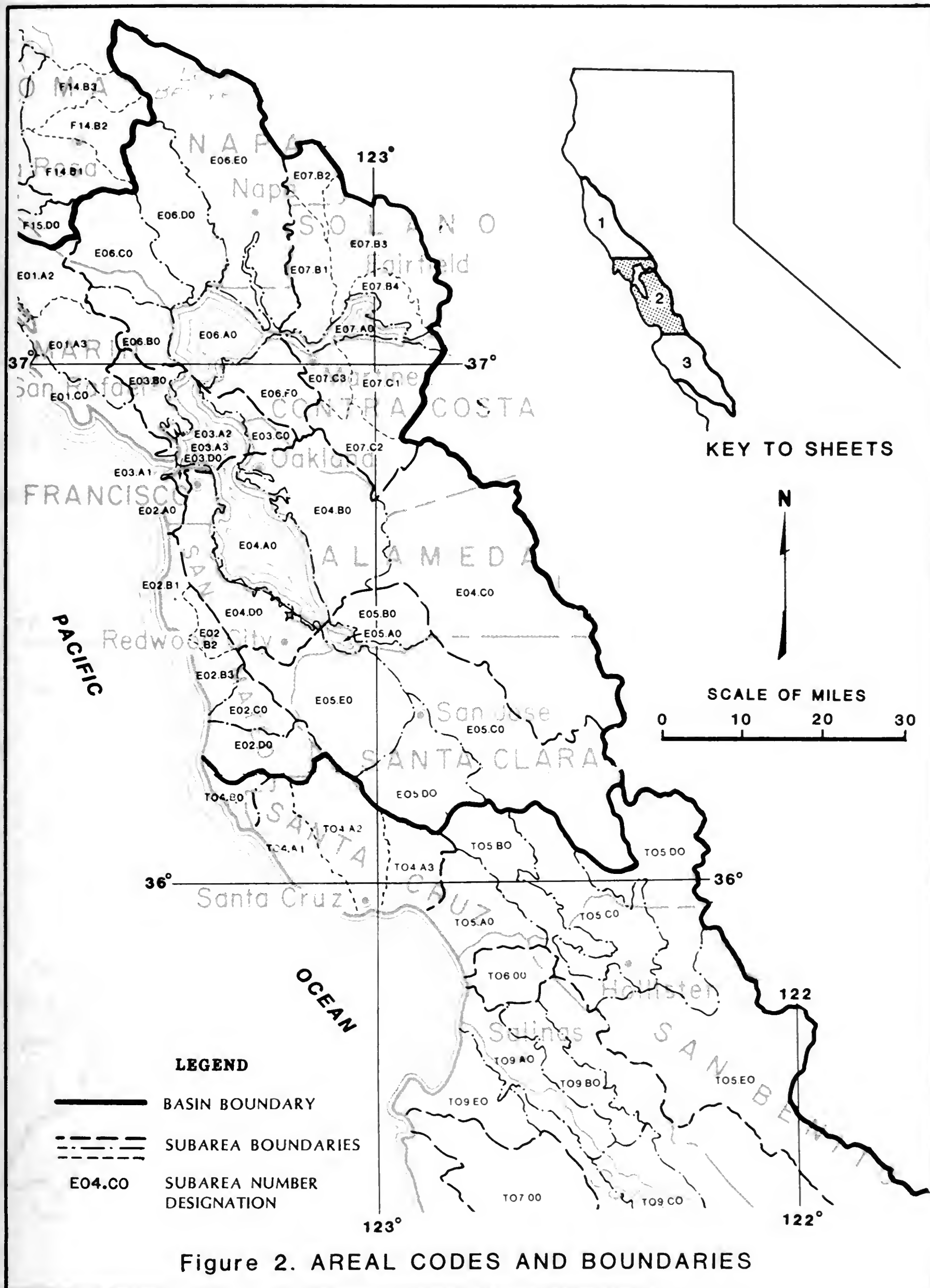
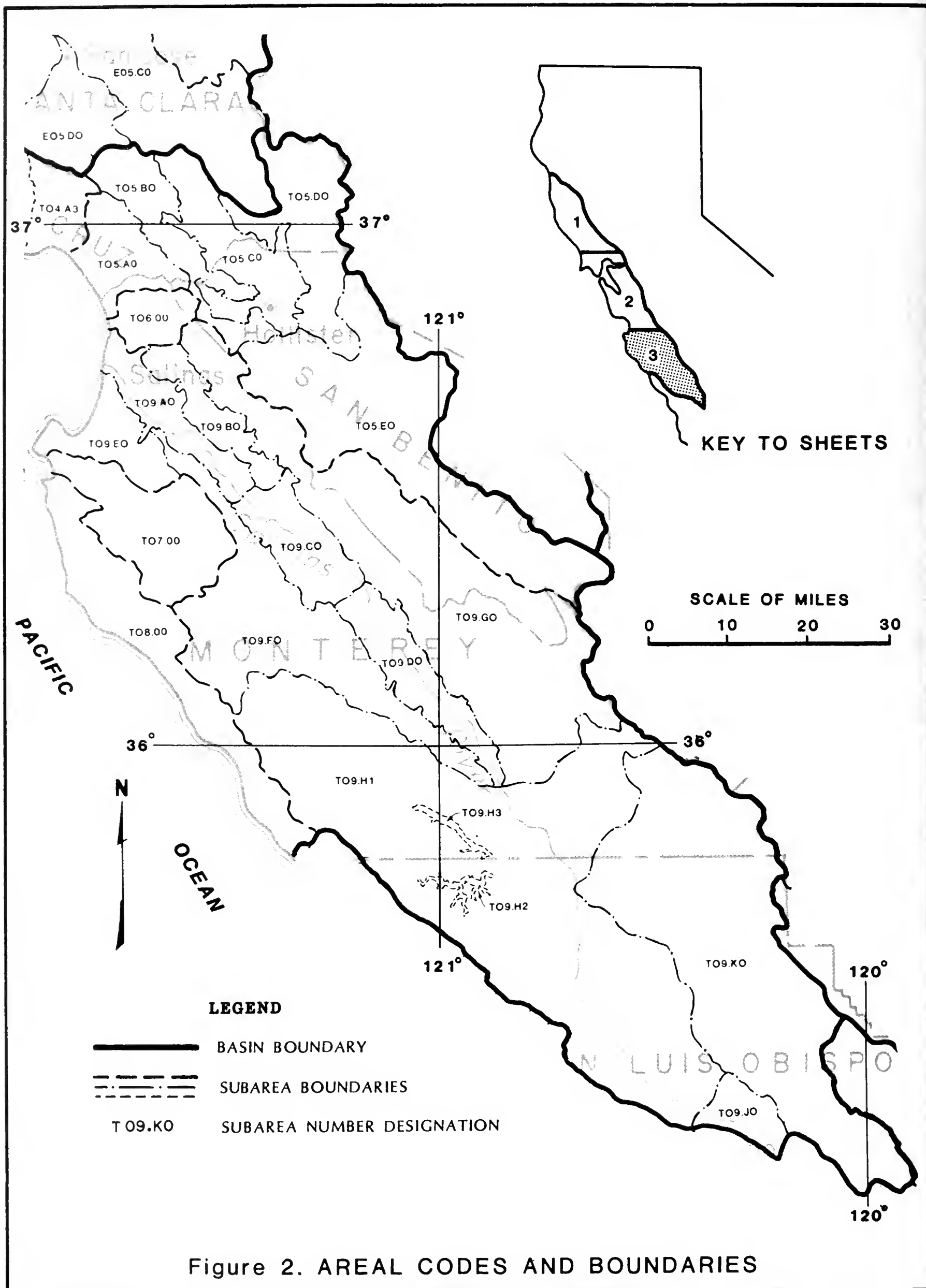


Figure 1. HYDROLOGIC BASINS OF CALIFORNIA







APPENDIX A

CLIMATOLOGICAL DATA

APPENDIX A

CLIMATOLOGICAL DATA

Appendix A presents precipitation data for certain climate stations in the Central Coastal Area for the water year October 1, 1984 through September 30, 1985. Locations of the stations are shown on Figure 3, following.

The first character of the nine character climatological station number indicates the major basin in which the station is located. This character is one of the areal code letters shown on Figure 1. (Note that, for climatological stations only, stations in the Central Coastal Basin north of San Luis Obispo County are identified by the letter "D.") The next two characters designate a hydrologic unit in the major basin. The fourth through the ninth characters denote the sequence of the stations under an alphanumeric system developed by the National Weather Service. (The fourth through seventh characters are the same as the four-digit station numbers used by the National Weather Service.)

Climatological stations are often named after the nearest post office and the distance and direction to the station. Distance is in miles, and the direction is represented in one of 16 compass points. For example, Fairfield 3 NNE denotes a station located 3 miles north northeast of the post office at Fairfield. The responsibility for selecting the station name generally rests with the agency or individual who establishes the station.

The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

- AP - Airport
- FAA - Federal Aviation Administration
- FCD - Flood Control District
- FS - Forest Service
- HMS - Highway Maintenance Station
- LRL - Lawrence Radiation Laboratory
- NAS - Naval Air Station
- PH - Power House
- PLT - Plant
- WB - West Branch
- WC - Womens College

The Department gives latitude and longitude to the nearest second when the value is known, but the National Weather Service lists stations by degree and minute only. A zero value or a blank space for "seconds" in the latitude and longitude columns means that these values have been obtained from the National Weather Service, and the location has not been verified in the field.

Elevations are given in feet from USGS mean sea level datum, and are usually obtained by interpolation between contours of USGS topographic maps.

Precipitation values are shown to the nearest one-hundredth of an inch (0.01"). (Where digital recording rain gages that only record to the nearest tenth of an inch are used, a zero is shown in the second decimal place.)

The following notations are used to qualify the values:

- No record or incomplete record
- B Record began
- E Estimated in some degree
- N Record ends
- T Trace, an amount too small to measure

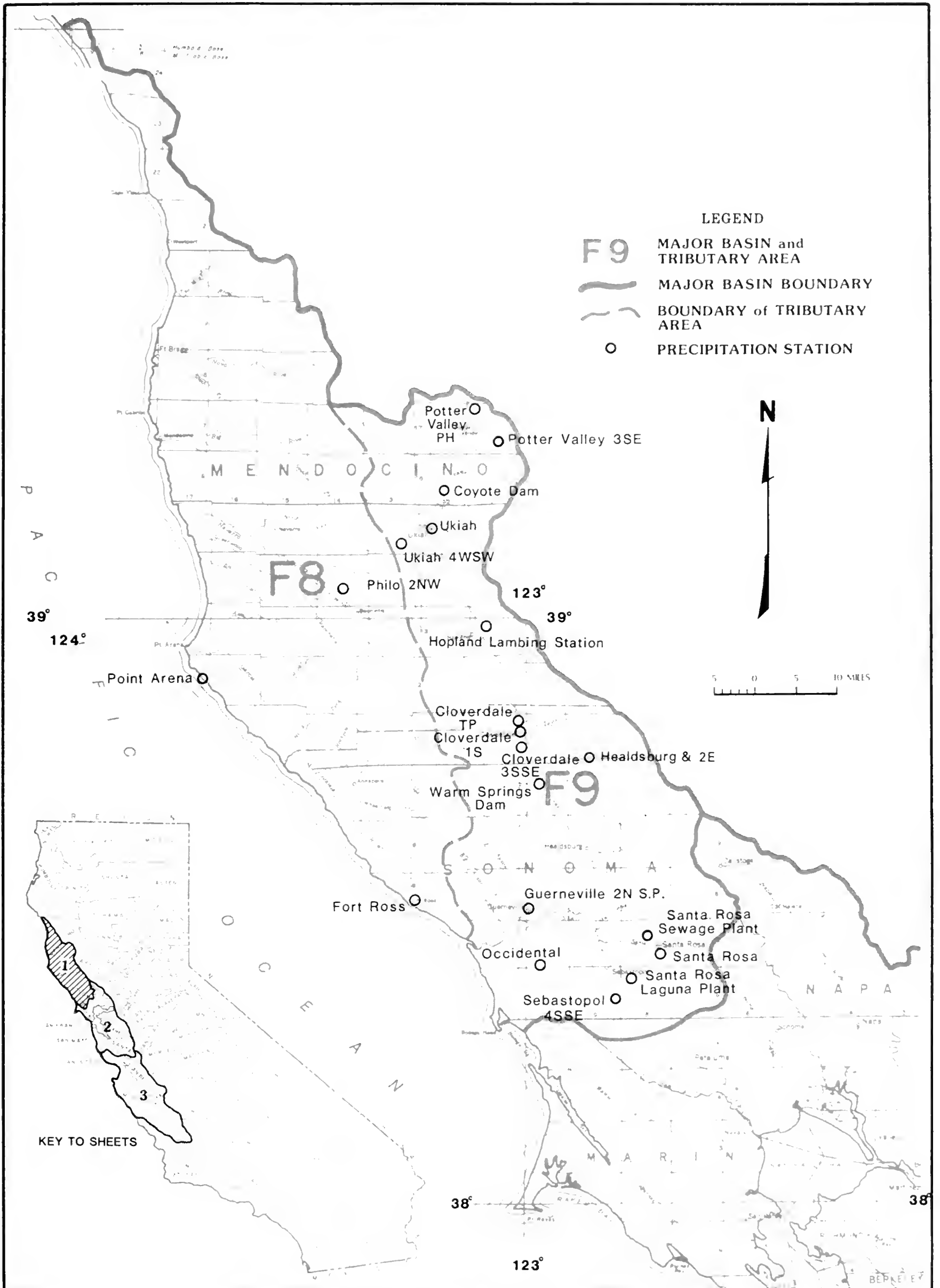


Figure 3 LOCATION OF CLIMATOLOGICAL STATIONS

NOTE

Circled numbers on the map on the facing page represent certain climatological station locations in the San Francisco area. In some areas, one number represents several stations. The names of the stations represented by the circled numbers are:

No.	Name	No.	Name
1	Martinez Corporation Yard	11	Oakland
2	Sobrante Filters		Oakland Daws
3	Richmond		Oakland Humphrey
	Richmond City Hall		Oakland Ross
	San Pablo Reservoir		Oakland Truitt
4	Charles Hill Manor		Oakland 4 NE
	Orinda Filters		Piedmont Fire Department
5	La Fayette Corporation Yard	12	Piedmont Foree
6	Brian and Murphy Walnut Creek		Alameda NAS
7	Walnut Creek 4E		Alameda 2W
	Albany Talbot		Oakland Museum
8	Brentwood Corporation Yard	13	Oakland 39th Street
9	Bixler Pump Station		Chabot Reservoir
10	Albany Pierce		Oakland Elvessa
	Berkeley Berryman		Oakland Ettrick
	Berkeley Centennial		Sequoyah Country Club
	Berkeley Grizzly	14	Upper San Leandro Dam
	Berkeley Gypsy		Upper San Leandro Filters
	Berkeley LRL		Upper San Leandro Reservoir
	Berkeley Michigan	15	Castro Valley
	Berkeley Tilden		Cull Canyon
	Kensington-Lenox	16	Cull Reservoir Maintenance Yard
			Danville Orr
			Danville Blackhawk
	17		San Leandro
	18		Jenson Ranch
	19		San Lorenzo Wagner
	20		Hayward Mead Way
	21		Niles

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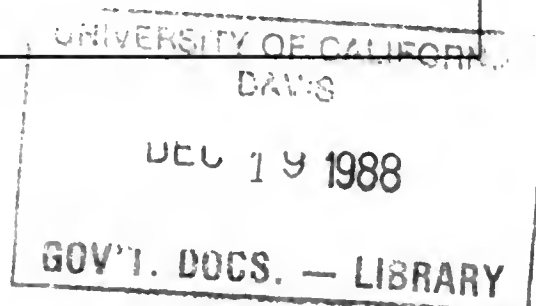
This sheet replaces page 12 of the California Department of Water Resources' Bulletin 130-85, "Hydrologic Data—1985, Volume III: Central Coastal Area."

Sheet 2 of 3

NOTE

Circled numbers on the map on the facing page represent certain climatological station locations in the San Francisco area. In some areas, one number represents several stations. The names of the stations represented by the circled numbers are:

No.	Name	No.	Name
1	Martinez Corporation Yard	9	Oakland
2	Sobranste Filters		Oakland Daws
3	Richmond		Oakland Humphrey
	Richmond City Hall		Oakland Ross
	San Pablo Reservoir		Oakland Truitt
4	Charles Hill Manor		Oakland 4 NE
	Orinda Filters		Piedmont Fire Department
			Piedmont Foree
5	La Fayette Corporation Yard	10	Alameda NAS
6	Brian and Murphy Walnut Creek		Alameda 2W
7	Walnut Creek 4E		Oakland Museum
	Albany Talbot		Oakland 39th Street
8	Albany Pierce	11	Chabot Reservoir
	Berkeley Berryman		Oakland Elvessa
	Berkeley Centennial		Oakland Ettrick
	Berkeley Grizzly		Sequoiah Country Club
	Berkeley Gypsy		Upper San Leandro Dam
	Berkeley LRL		Upper San Leandro Filters
	Berkeley Michigan		Upper San Leandro Reservoir
	Berkeley Tilden	12	Castro Valley
	Kensington-Lenox		Cull Canyon
			Cull Reservoir Maintenance Yard
13	Danville Orr		
14	Danville Blackhawk		
15	San Leandro		
16	Jenson Ranch		
17	San Lorenzo Wagner		
18	Hayward Mead Way		
19	Niles		



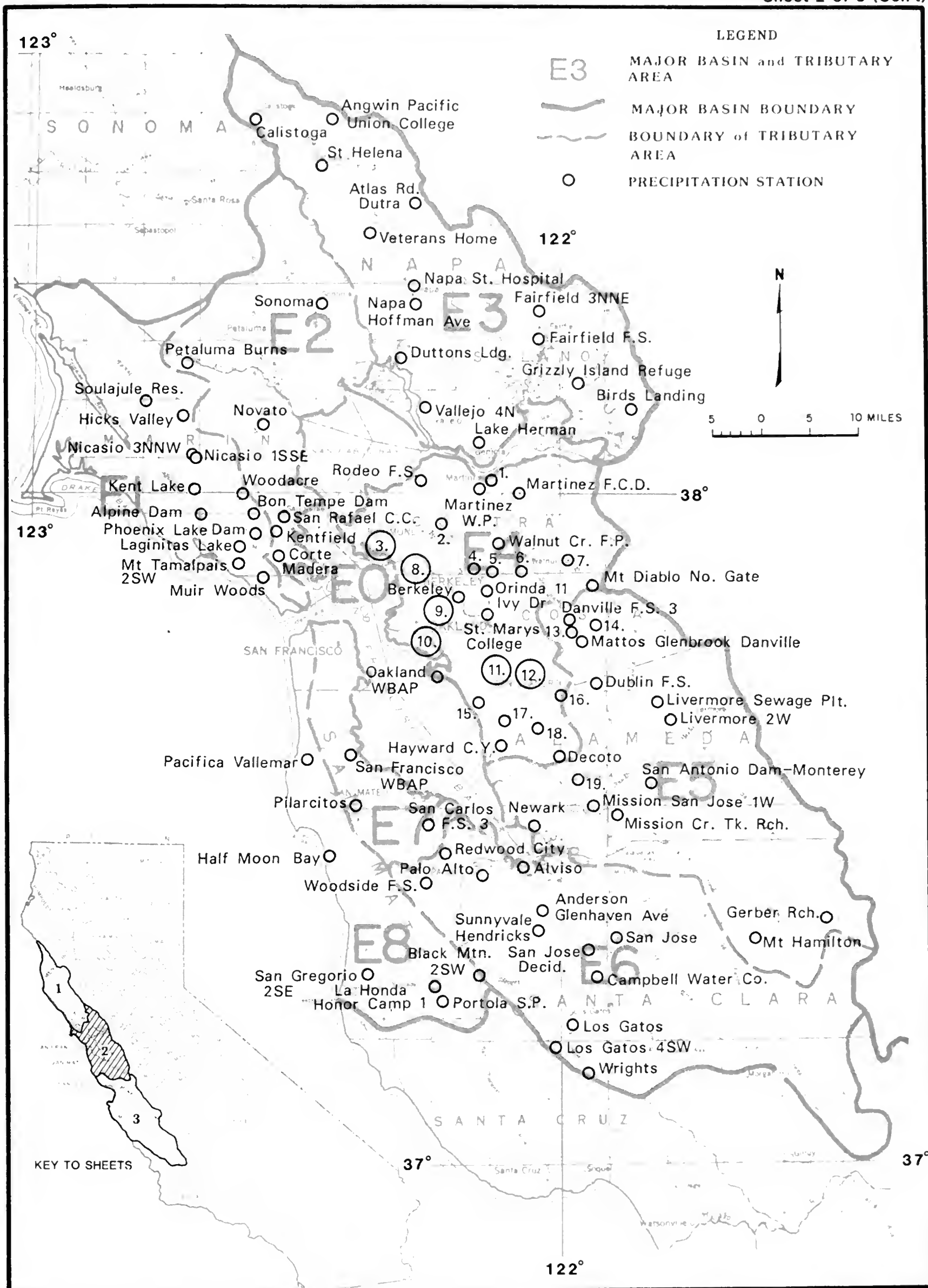


Figure 3 LOCATION OF CLIMATOLGICAL STATIONS

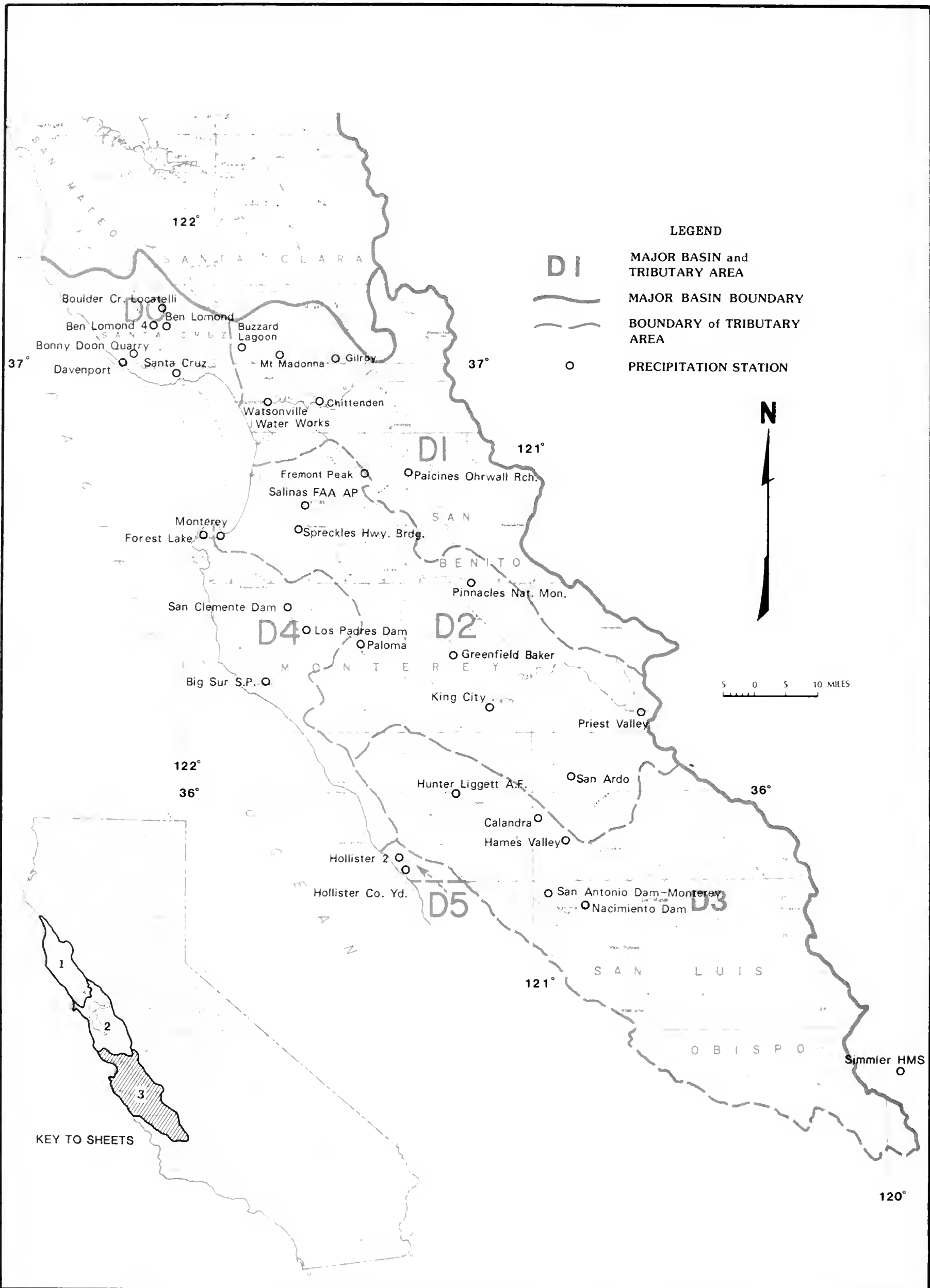


Figure 3 LOCATION OF CLIMATOLGICAL STATIONS

TABLE A
MONTHLY PRECIPITATION
CENTRAL COASTAL AREA
WATER YEAR 1985

						PRECIPITATION IN INCHES												
AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	TOTAL	1984			1985								
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
E04B0	E40006000	37 48	122 18	10	Alameda NAS	---	2.19	1.48	.52	---	---	---	---	---	.06	.04	.35	
E04B0	E40006020	37 47	122 16	13	Alameda 2W	20.34	6.70	6.79	1.81	.57	1.18	3.45	.15	.03	.17	.08	.05	.37
E03C0	E40007520	37 54	122 18	40	Albany Pierce	21.82	1.99	8.86	2.18	1.18	2.35	4.44	.08	.00	.12	.06	.50	.06
E03C0	E40007570	37 54	121 59	50	Albany Talbot	22.08	2.05	8.45	2.30	1.13	2.22	4.71	.12	.00	.20	.15	.00	.75
E01A3	F90013500	37 56	122 38	680	Alpine Dam	43.09	4.40	16.94	3.78	1.48	5.88	7.79	.55	.02	.22	.10	.00	1.93
E05C0	E60016700	37 25	121 59	8	Alviso	12.37	1.48	3.59	1.49	.68	.98	2.83	.22	.16	.07	.06	.00	.81
E07C2	E40020150	37 52	122 03	170	Anderson Glenhaven Ave WC	19.79	1.74	7.55	1.12	.99	3.11	4.49	.10	.03	.39	.00	.00	.27
E06E0	E30021200	38 34	122 26	1,815	Angwin Pacific Union College	31.06	2.37	12.81	2.53	1.29	4.88	5.38	.26	.01	.04	.04	.00	1.45
E06E0	E30036800	38 26	122 15	1,660	Atlas Road Dutra	---	---	12.81	1.90	2.00	4.90	---	---	---	.00	.00	.00	.90
T04A2	D00067400	37 05	122 06	504	Ben Lomond	40.68	2.85	13.45	2.80	.35	5.18	7.73	.00	.00	.00	---	---	---
T04A2	D00067300	37 05	122 04	450	Ben Lomond 4	40.72	3.60	14.81	3.69	1.45	5.56	9.61	.68	.16	.27	.17	.03	.68
E03C0	E40069300	37 52	122 15	299	Berkeley	20.04	2.21	7.51	2.17	.66	2.34	4.32	.06	.02	.15	.07	.00	.53
E03C0	E40069310	37 53	122 16	275	Berkeley Berryman	.96	2.17	7.64	2.11	.84	2.66	4.62	.06	.00	.18	.10	.00	.58
E03C0	E40069315	37 53	122 14	750	Berkeley Centennial	25.86	2.60	9.42	2.69	1.06	3.68	5.03	.31	.10	.18	.10	.01	.66
E03C0	E40069327	37 54	122 16	900	Berkeley Grizzly	19.80	2.00	7.79	2.10	.83	2.06	3.95	.15	.00	.14	.02	.00	.76
E03C0	E40069328	37 52	122 14	800	Berkeley Gypsy	23.99	2.72	8.32	2.77	.98	3.43	4.82	.09	.11	.19	.15	.00	.41
E03C0	E40069340	37 53	122 15	900	Berkeley - L R L	17.17	1.89	6.73	1.93	.71	2.32	3.47	.08	.04	.00	.00	.00	.00
E03C0	E40069345	37 54	122 14	710	Berkeley Michigan	23.82	2.54	9.03	2.42	.99	2.54	5.16	.10	.05	.19	.09	.00	.71
E03C0	E40069720	37 54	122 15	900	Berkeley Tilden	24.31	2.47	8.31	2.29	.84	3.92	5.28	.13	.05	.16	.11	.00	.75
T0800	D40079000	36 15	121 47	235	Big Sur State Park	---	2.96	8.64	4.02	.88	3.83	6.83	.71	---	.26	.00	.00	.68
E07B3	E30081448	38 08	121 52	60	Birds Landing	13.43	1.82	5.00	1.34	.82	1.27	2.59	.27	.03	.20	.00	.00	.09
E05E0	E60085000	37 18	122 10	2,331	Black Mtn 2 SW	36.44	5.11	11.45	4.79	1.23	3.91	7.54	.32	.54	.62	.09	.00	.84
E03B0	F90096900	37 57	122 36	723	Bon Tempe Dam	37.59	3.53	14.87	3.84	1.66	5.06	7.24	.18	.07	.18	.04	.00	.92
T04A1	D00097050	37 02	122 08	124	Bonnie Doon Quarry	32.76	4.54	12.18	2.55	1.23	3.66	7.24	.40	.12	.14	.05	.00	.65
T04A2	D00100500	37 09	122 12	2,175	Boulder Creek Locatelli	---	---	---	---	---	---	---	.80	.60	.50	.30	.00	1.30
E07C2	E40124950	37 54	122 04	165	Byran and Murphy Walnut Cr	20.13	1.66	6.22	1.55	.95	3.07	4.14	.05	.00	.13	.00	.04	.43
T05A0	D10124700	37 02	121 50	1,275	Buzzard Lagoon	31.14	2.50	11.47	1.42	1.84	4.39	7.02	.60	.30	.00	.00	.00	1.60
T09H1	D30127500	35 57	121 00	2,800	Calandra	11.53	.30	2.28	5.74	.69	1.10	.81	.00	.06	.00	.00	.00	.55
E06E0	E30131200	38 35	122 34	364	Calistoga	31.96	2.35	11.17	2.90	1.49	5.23	5.89	.17	.00	.02	.57	.73	1.44
E05E0	E60137701	37 17	121 57	192	Campbell Water Co	12.95	1.22	3.84	1.72	.72	1.58	3.09	.30	.07	.00	.00	.00	.41
E04B0	E40158360	37 44	122 05	500	Castro Valley	21.15	3.27	7.31	2.34	.88	2.48	3.97	.07	.07	.28	.00	.00	.48
E04B0	E40164800	37 44	122 07	245	Chabot Reservoir	19.78	3.52	6.47	2.32	.56	2.03	3.76	.14	.13	.26	.12	.01	.46
E06F0	E40166400	37 54	122 10	725	Charles Hill Manor	44.42	2.20	8.74	2.32	1.16	4.33	5.03	.04	.04	.20	.00	.00	.56
T05B0	D10173901	36 54	121 36	104	Chittenden	19.13	2.18	6.43	1.83	.80	2.08	4.78	.42	.18	.14	.00	.00	.29
F14B5	F90184200	38 48	123 01	300	Cloverdale Treatment Plant	33.02	2.66	15.76	2.54	.70	2.84	6.71	.19	.00	.00	.01	.00	1.61
F14B5	F90183900	38 47	123 01	340	Cloverdale 1 S	32.33	2.70	14.00	2.50	.60	3.51	7.24	.18	.00	.00	.00	.00	1.60
F14B5	F90183800	38 46	122 59	320	Cloverdale 3 SSE	31.27	2.64	14.60	2.34	.56	2.81	6.73	.17	.01	.00	.00	.00	1.34
E03B0	E20205700	37 55	122 32	55	Corte Madera	36.38	2.50	16.33	3.09	1.22	5.34	7.03	.38	.00	.16	.02	.00	.31
F14C1	F90210500	39 11	123 11	720	Coyote Dam	26.19	3.78	10.97	2.26	.93	2.70	5.03	.17	.04	.00	.00	.00	.31
E04B0	E40221350	37 46	122 04	620	Cull Canyon	15.27	2.20	7.15	1.95	.04	2.25	.28	.37	.30	.02	.00	.00	.71
E04B0	E40221320	37 43	122 04	435	Cull Res Maint Yard	20.34	3.45	6.92	1.78	.70	2.80	3.58	.10	.05	.28	.13	.04	.51
E04C0	E40227750	37 48	121 56	600	Danville Blackhawk	18.60	1.89	6.62	1.74	1.12	2.45	4.45	.00	.00	.15	.00	.00	.18
E07C2	E40227850	37 50	121 59	430	Danville Fire Station 3 Dan	19.20	1.91	6.99	1.67	.96	2.43	4.68	.14	.00	.17	.00	.00	.25
E07C2	E40227950	37 49	122 01	365	Danville Orr	18.60	1.89	6.62	1.74	1.12	2.45	4.45	.00	.00	.15	.00	.00	.18
T04A1	D00229000	37 01	122 12	273	Davenport	26.91	4.08	8.39	3.26	1.63	1.83	5.85	.31	.63	.20	.08	.03	.62
E04B0	E50232600	37 36	122 02	65	Decoto	17.33	3.03	5.45	1.77	.54	1.47	4.36	.07	.05	.09	.00	.00	.50
E04C0	E50252525	37 44	121 56	355	Dublin Fire Station	13.90	1.31	4.99	1.55	.38	2.07	3.01	.21	.09	.18	.00	.00	.11
E06E0	E30258000	38 12	122 18	20	Duttons Landing	18.05	2.23	6.97	1.61	1.56	1.81	3.32	.09	.04	.00	.00	.00	.42
E07B3	E30293400	38 15	122 02	34	Fairfield Fire Station	16.91	1.96	6.52	1.26	.68	1.95	4.14	.06	.02	.02	.00	.00	.03
E07B3	E30293500	38 17	122 02	110	Fairfield 3 NNE	17.54	1.90	7.22	1.32	.80	2.30	3.90	.00	.00	.00	.00	.00	.10
T09E0	D40313511	36 36	121 57	295	Forest Lake	---	.90	5.08	2.96	.94	1.28							

TABLE A (CONTINUED)
MONTHLY PRECIPITATION
CENTRAL COASTAL AREA
WATER YEAR 1985

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES													
						ANNUAL TOTAL	1984		1985										
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
T05B0	D10597311	37 00	121 42	1,880	Mt Madonna County Park	36.36	2.86	10.26	2.66	1.34	3.33	6.47	8.45	.87	.12	.00	.00	.00	
E01C0	E20599600	37 54	122 36	1,480	Mt Tamalpais 2 SW	35.42	4.30	13.14	2.90	1.20	4.60	5.80	1.40	.20	.18	.10	.00	1.60	
E01C0	E20602700	37 54	122 34	170	Muir Woods	32.81	5.11	12.95	2.70	.88	3.52	5.38	.70	.17	.31	.08	.01	1.00	
T09H2	T09605600	35 45	120 52	770	Nacimiento Dam	8.32	.38	2.45	2.93	.45	.43	2.18	T	T	.00	.00	.00	.03	
E06E0	E30606828	38 17	122 16	47	Napa Hoffman Ave	32.48	3.08	13.01	1.66	2.00	5.65	6.13	.05	.00	.03	.18	.00	.69	
E06E0	E30607400	38 16	122 15	73	Napa State Hospital	20.41	2.03	7.77	1.48	1.75	1.83	4.42	.07	.02	.05	.20	.00	.79	
E05B0	E50614400	37 31	122 01	14	Newark	12.84	1.74	4.33	1.68	.86	1.04	2.43	.05	.25	.03	.03	.00	.40	
E01A3	F90618701	38 02	122 41	265	Nicasio 1 SSE	29.94	2.63	11.77	2.49	1.18	4.53	6.34	.14	.12	.08	.08	.00	.58	
E01A3	F90618702	38 06	122 43	315	Nicasio 3 NNW	30.40	3.09	11.77	2.49	1.18	4.53	6.34	.14	.12	.08	.08	.00	.58	
E05B0	E50619901	37 35	121 58	100	Niles	16.62	2.32	5.75	1.66	.60	1.35	4.23	.17	.06	.12	.03	.00	.33	
E06B0	E20629002	38 06	122 32	35	Novato	21.96	2.27	9.28	2.07	1.18	2.53	4.10	.27	.00	.00	.03	.03	.20	
E04B0	E40633240	37 51	122 14	340	Oakland	20.49	2.49	7.42	1.94	.71	2.92	4.09	.05	.05	.00	.04	.00	.78	
E04B0	E40633330	37 49	122 13	760	Oakland Daws	23.57	3.19	8.41	2.09	.85	2.77	4.29	.12	.08	.20	.13	.00	1.44	
E04B0	E40633450	37 45	122 07	670	Oakland Elvessa	21.45	3.70	7.24	2.24	.46	2.02	3.95	.19	.18	.30	.27	.01	.89	
E04B0	E40633350	37 45	122 08	660	Oakland Ettrick	21.21	3.76	6.98	1.94	.42	2.11	4.11	.55	.12	.25	.21	.02	.74	
E03C0	E40633280	37 51	122 15	200	Oakland Humphrey	21.50	2.55	8.20	1.88	.79	2.56	4.35	.06	.00	.18	.09	.00	.84	
E04B0	E40633630	37 48	122 16	30	Oakland Museum	21.64	2.99	6.89	4.54	.77	2.08	3.65	.15	.04	.00	.00	.00	.53	
E04B0	E40633650	37 51	122 15	220	Oakland Ross	22.67	2.64	8.15	2.35	.90	2.90	4.73	.00	.00	.16	.08	.00	.76	
E04B0	E40633720	37 50	122 13	500	Oakland Truitt	23.30	2.90	9.30	2.30	.70	2.40	4.80	.00	.00	.00	.00	.00	.90	
E04B0	E40633500	37 44	122 12	3	Oakland WB AP	16.55	3.04	5.96	1.53	.48	1.44	3.46	.08	.02	.14	.10	.00	.30	
E04B0	E40633201	37 47	122 11	250	Oakland 39th St	22.47	3.13	8.29	2.16	.73	2.62	4.51	.09	.06	.21	.12	.03	.52	
E04B0	E40633520	37 50	122 12	1,200	Oakland 4 NE	28.30	3.29	10.50	2.72	.52	4.39	5.34	.14	.00	.32	.29	.00	.79	
F15A0	F90637000	38 24	122 57	960	Occidental	47.73	4.52	19.95	3.06	2.24	5.89	9.12	.70	.00	.18	.00	.00	2.07	
E06F0	E40650101	37 54	122 12	370	Orinda Filters	26.88	2.37	9.27	2.45	.97	4.85	6.08	.09	.03	.18	.00	.03	.56	
E04B0	E40650307	37 51	122 09	695	Orinda 11 Ivy Drive	31.49	2.89	11.59	2.74	1.13	5.14	6.66	.18	.10	.25	.00	.00	.81	
E02B1	E80658541	37 36	122 28	220	Pacifica Vallemar	23.69	2.78	7.79	3.08	1.25	2.89	4.50	.12	.19	.30	.07	.01	.71	
T05E0	D10661000	36 44	121 22	950	Paicines Ohrwall Ranch	14.37	1.57	4.51	1.98	.66	1.45	3.89	.28	0	.00	.00	.00	.03	
E05E0	E60664200	37 26	122 10	54	Palo Alto	---	1.48	4.34	1.76	.59	---	2.79	.02	.11	.09	.02	.00	.15	
T09F0	D20665000	36 21	121 30	1,835	Paloma	17.82	1.50	5.99	3.29	.46	1.43	4.27	.20	.20	.01	.05	.05	.37	
E06C0	E20682601	38 13	122 42	240	Petaluma Burns	19.42	2.25	7.43	1.64	1.20	2.41	4.07	.27	.00	.01	.06	.00	.08	
F13E0	F80685101	39 05	123 28	240	Philo 2 NW	30.75	2.88	12.97	2.29	1.30	4.07	5.64	.14	.12	.02	.00	.00	1.32	
E03B0	E20685300	37 57	122 34	175	Phoenix Lake Dam	41.26	2.84	17.22	3.67	1.94	5.85	8.72	.32	.03	.14	.02	.00	.51	
E04B0	E40685670	37 49	122 14	330	Piedmont Fire Dept	23.81	3.36	9.36	2.03	.79	2.78	4.38	.00	.04	.12	.04	.00	.91	
E04B0	E40685674	37 49	122 14	100	Piedmont Foree	21.17	2.74	7.77	1.90	.66	2.58	4.12	.05	.05	.20	.05	.01	1.04	
E02B2	E80686300	37 32	122 25	625	Pilarcitos	8.38	.15	1.99	2.83	1.04	.37	.92	.11	.20	.36	.00	.00	.41	
T09G0	D20692600	36 29	121 11	1,310	Pinnacles Nat Mon	13.30	1.28	3.96	3.30	.39	.72	3.33	.07	.00	.03	.05	.00	.17	
F13G0	F80700900	38 54	123 42	100	Point Arena	34.49	4.96	14.93	2.92	1.67	2.50	5.51	.34	.20	.09	.30	.00	1.07	
E02D0	E80708600	37 15	122 13	422	Portola State Park	33.22	3.61	10.84	3.63	1.23	4.55	7.13	.32	.72	.28	.21	.02	.68	
F14C2	F90710900	39 22	123 08	1,014	Potter Valley PH	32.57	3.00	15.74	2.86	.26	2.44	5.58	.13	.18	.00	.00	.10	2.28	
F14C2	F90710300	39 18	123 04	1,100	Potter Valley 3 SE	11.96	1.42	4.79	.80	.13	1.72	2.19	.03	.03	.00	.00	.00	.85	
T09G0	D20715000	36 11	120 42	2,300	Priest Valley	13.36	.90	3.68	3.83	.45E	1.00	3.06	.38	.03	.00	.00	.00	.03	
E04D0	E60733900	37 29	122 14	31	Redwood City	17.23	1.83	5.67	2.03	.66	1.97	4.15	.08	.45	.15	.00	.01	.18	
E03C0	E40741400	37 56	122 21	55	Richmond	19.15	1.81	7.26	1.97	.80	2.29	4.37	.10	.02	.10	.08	.00	.35	
E03C0	E40741450	37 56	122 21	55	Richmond City Hall	19.28	1.77	7.12	1.89	.73	2.23	4.19	.11	.01	.08	.00	.00	1.15	
E06F0	E40752810	38 02	122 16	30	Rodeo FS	14.63	1.67	5.44	1.37	.50	2.12	3.16	.03	.01	.09	.00	.00	.24	
E06E0	E30764300	38 30	122 27	225	Saint Helena	26.45	2.04	9.87	2.09	1.47	4.83	4.98	.26	.00	.04	.00	.00	.87	
E04B0	E40766100	37 50	122 06	620	Saint Marys College	24.64	2.20	9.48	2.01	.63	4.30	5.23	.00	.01	.12	.02	.00	.64	
T09B0	D20766900	36 40	121 36	80	Salinas FAA AP	8.98	1.06	2.42	1.03	.55	.89	2.48	.31	.10	.07	.03	.00	.04	
T09H3	D30771203	35 49	120 56	800	San Antonio Dam-Monterey	9.12	.41	2.71	2.97	.42	.54	1.96	.05	.00	.04	.00	.00	.02	
T09D0	D207716																		

APPENDIX B

SURFACE WATER MEASUREMENT

NOTE: The Department maintains no stream gage stations in the Central Coastal area for the purpose of obtaining daily mean flow data. Daily mean flow for this area is collected by federal and local agencies. The appendix title was included, however, to maintain continuity of appendix titles and letter designations used in the five volumes of Bulletin 130-85.

APPENDIX C

SURFACE WATER QUALITY

SAMPLING STATION INDEX

Central Coastal Area

Station	Station Number	Location*	Areal Code	Beginning of Record	Analyses on Page(s)	Map Page
MEDA C NR NILES	E5 1150.00	04S/02W-15M	E04B0	MAR 1951	30	24
ION R NR ALBION	F8 0630.00	16N/17W-13M	F13D0	SEPT 1976	31,39,44	23
ION RIVER AT TOM BELL FLAT	F8 0635.00	16N/16W-04M	F13D0	APR 1985	31	23
ION RIVER 1 MI UPSTREAM FROM MOUTH	F8 0226.00	16N/17W-21M	F13D0	APR 1985	31	23
ERSON C A HWY 253	F8 2405.00	13N/14W-12M	F13E0	APR 1985	32	23
OYO SECO R NR SOLEDAD	D2 1450.00	19S/06E-16M	T09F0	APR 1969	28,39,43	25
OYO VALLE NR LIVERMORE	E5 1400.00	03S/02E-33M	E04C0	MAY 1951	30	24
R NR MENDOCINO	F8 2720.00	17N/17W-25M	F13C0	JAN 1959	32,40,45	23
SULPHUR C AB EAGLE ROCK	F9 1650.60	11N/09W-14M	F14B6	AUG 1981	33,37,45	23
SULPHUR C AB SQUAW C	F9 1648.25	11N/09W-04M	F14B6	MAR 1981	33,37,45	23
SULPHUR C NR CLOVERDALE	F9 1600.00	11N/10W-04M	F14B6	FEB 1962	33	23
SUR R NR BIG SUR	D4 2100.00	19S/02E-29M	T0800	MAY 1952	29,39,44	25
MEL R A HWY 1	D4 1010.50	16S/01W-13M	T0700	APR 1969	28,44	25
MEL R BL SAN CLEMENTE DM	D4 1214.90	17S/02E-23M	T0700	AUG 1982	28,44	25
OTE C NR MADRONE	E6 4250.00	09S/03E-09M	E05C0	JAN 1952	31	24
RELLA R NR ESTRELLA	D3 1200.00	26S/13E-05M	T09L0	FEB 1985	39	25
NN C NR NAVARRO	F8 2110.00	15N/16W-13M	F13E0	FEB 1975	32	23
IA R A WINDY HALLOW RD	F8 0007.00	13N/17W-36M	F13F4	APR 1985	31,39,44	23
DALUPE R A W SAN CARLOS ST	E6 5271.10	07S/01E-17M	E05C0	JUNE 1975	31,39,44	24
ALA R A CO RD 501 A HWY 1	F8 1001.00	11N/15W/27M	F13H5	APR 1985	31	23
ALA R NR GUALALA	F8 1007.00	11N/15W-26M	F13H5	FEB 1975	31	23
ALA R SF NR ANNAPOLIS	F8 1100.00	10N/14W-21M	F13H5	APR 1958	31,39,44	23
ALA RIVER AT GUALALA	F8 1005.00	11N/15W-34M	F13H5	FEB 1975	31	23
AN C A PHILO	F8 2325.00	14N/14W-20M	F13E0	FEB 1975	32	23
LE SUR R A HWY 1	D4 3610.20	18S/01E-29M	T0800	JAN 1953	29,39,44	25
GATOS C A LOS GATOS	E6 5250.00	08S/01W-29M	E05C0	MAR 1949	31	24
MIENTO R BL NAC DM NR BRADLEY	D3 3450.00	25S/10E-14M	T09H1	MAR 1977	28,39,44	25
MIENTO R NR JOLON	D3 3225.50	22S/05E-15M	T09H1	SEPT 1974	28,44	25
A R A ST HELENA	E3 1500.00	08N/05W-32M	E06E0	DEC 1951	30	24
ARRO R A HENDY WOODS STATE PK	F8 2320.00	14N/15W-11M	F13E0	APR 1985	32	23
ARRO R NF NR NAVARRO	F8 2115.00	15N/15W-18M	F13E0	FEB 1975	31,39,45	23
ARRO R NR NAVARRO	F8 2100.00	15N/16W-07M	F13E0	JAN 1959	32	23
O R NR FORT BRAGG	F8 3100.00	18N/17W-15M	F13B0	SEPT 1958	32,40,45	23
ALUMA R BL HWY 101 A RR BR	E2E 813.7 236.7	05N/07W-34M	E06C0	OCT 1973	39,44	24
SIAN R, EF, A POTTER VLY PH	F9 4900.00	17N/11W-06M	F14C1	MAY 1951	34	23
SIAN R, EF, NR CALPELLA	F9 4200.00	16N/12W-13M	F14C1	OCT 1950	34	23
SIAN R NR CLOVERDALE	F9 1680.00	12N/11W-23M	F14C1	APR 1962	34	23
SIAN R NR GUERNEVILLE	F9 1100.00	08N/10W-35M	F14A1	NOV 1969	32	23
SIAN R NR HEALDSBURG	F9 1500.00	09N/09W-22M	F14B5	JULY 1950	32	23
SIAN R NR HOPLAND	F9 1765.00	14N/12W-36M	F14C1	APR 1951	34	23
SIAN R NR UKIAH	F9 1850.00	16N/12W-33M	F14C1	APR 1962	34	23
RAMENTO R A MALLARD ISL	E0B 802.6 155.1	02N/01W-01M	E07A0	AUG 1961	30	24
ENAS R A BLANCO RD	D2 1150.30	14S/02E-33M	T09A0	AUG 1964	27,37,43	25
ENAS R A DAVIS RD	D2 1160.20	15S/02E M	T09A0	AUG 1972	27,43	25
ENAS R A PASO ROBLES	D3 1450.00	26S/12E-33M	T09H1	APR 1951	28,43	25
ENAS R A TWIN BRIDGES	D2 1110.50	14S/02E-08M	T09A0	AUG 1964	27,43	25
ENAS R AB PILITAS C SANTA MARG	D3 1675.00	30S/14E-06M	T09H1	SEPT 1974	28,43	25
ENAS R N POZO	D3 1800.00	30S/15E-18M	T09H1	SEPT 1974	28,44	25
ENAS R NR GONZALES	D2 1325.10	17S/05E-06M	T09A0	MAY 1969	27,43	25
ENAS R NR SPRECKELS	D2 1220.00	15S/03E-18M	T09A0	APR 1951	27,43	25
ANTONIO R BL SAN ANTONIO DM	D3 2098.30	24S/10E-26M	T09H1	JAN 1977	28,39	25
ANTONIO R NR LOCKWOOD	D3 2215.00	23S/08E-26M	T09H1	MAR 1974	28,44	25
BENITO R NR WILLOW C SCHOOL	D1 2450.00	15S/07E-21M	T05E0	JAN 1952	27,39,43	25
BAY SF PORT PIER 24 BAY BR W-2	E0B 747.5 223.1	01S/05W-02M	E03A3	OCT 1981	29	24
BAY SAN MATEO B PIER 20- S-CHAN	E0B 735.2 214.8	04S/04W 13M	E04A0	NOV 1981	29	24
LORENZO R A BIG TREES	D0 1200.00	10S/02W-27M	T05A0	DEC 1951	27,43	25
LORENZO R A PARIDISE PK	D0 1180.01	10S/02W-35M	T05A0	SEPT 1969	27,39,43	25
LORENZO R NR BOULDER C	D0 1800.00	08S/03W-25M	E05C0	AUG 1963	27,43	25
PABLO BAY A POINT SAN PABLO	E0B 757.7 225.6	01N/05W/05M	E03A2	NOV 1962	30	24
OMA C A AGUA CALIENTE	E2 6200.00	06N/06W-35M	E06D0	MAY 1974	30	24
UEL C A SOQUEL	D0 3100.00	11S/01W-10M	T04A3	DEC 1951	29,43	25
PHUR C, BIG, A GEYSERS RESORT	F9 1656.50	11N/09W-13M	F14B6	MAY 1981	34,37,45	23

Mount Diablo Base and Meridian. See Appendix D.

APPENDIX C

SURFACE WATER QUALITY

Appendix C presents the results of chemical analyses of surface water samples collected in the Central Coastal Area from October 1, 1984 to September 30, 1985. The data are presented in four categories:

Table	Title
C-1	Mineral Analyses of Surface Water
C-2	Minor Element Analyses of Surface Water
C-3	Miscellaneous Analyses of Surface Water
C-4	Nutrient Analyses of Surface Water

To facilitate use of the surface water quality tables, a sampling station index is provided on the facing page. This index lists the stations in the tables and gives location data for each. The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

A	-	at	NR	-	near
AB	-	above	PH	-	powerhouse
BL	-	below	PK	-	park
BR	-	bridge	R	-	river
C	-	creek	RD	-	road
CO	-	company	RR	-	railroad
DM	-	dam	SF	-	south fork
EF	-	east fork	VLV	-	valley
ISL	-	island	W	-	west

The number of pages referenced indicates the extent of analysis for each station. Locations of the stations are shown on Figure 4, pages 23 through 25.

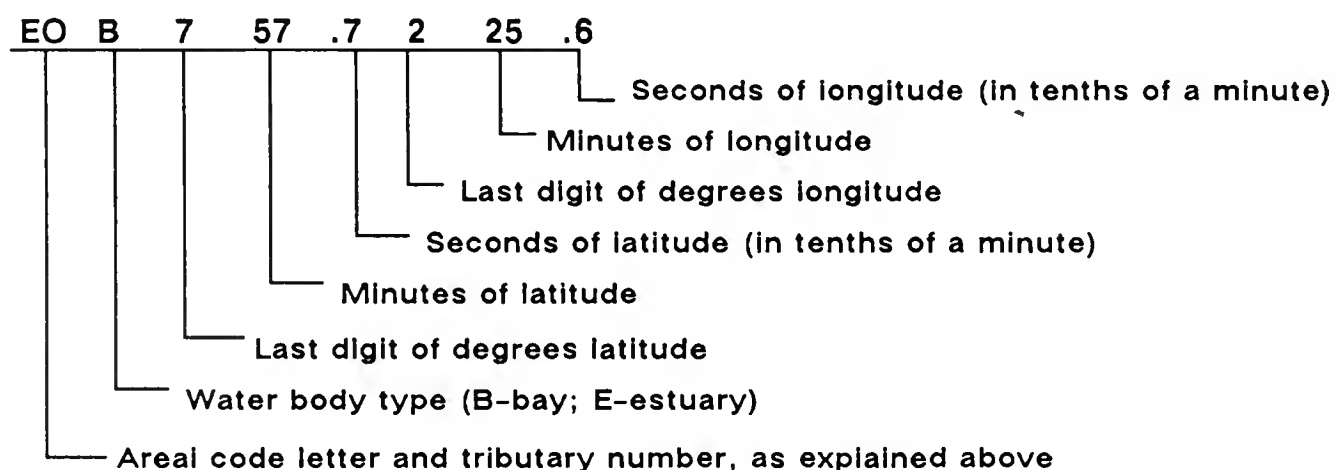
Surface water quality stations are listed in the tables by ascending station number. The station number appears on the left, the station name in the center, and the areal code on the right. The areal code is described on page 2.

Surface water quality stations are named after the stream and a nearby landmark or post office. An example is the station "San Lorenzo River near Boulder Creek." If a sampling station is situated at the site of a surface water measurement station, each uses the same name.

The first character of a surface water quality station number designates the basin in which the station is located and is one of the areal code letters shown in Figure 1. The second character, a numeral, designates a specific tributary area within that major basin. These two characters, therefore, indicate the general location of the station. In this appendix, data are reported for the basins and tributaries listed on the following page:

BASIN		TRIBUTARY	
Ltr	Name	No.	Name
D	CENTRAL COASTAL	0	Santa Cruz
		1	Pajaro - San Benito Rivers
		2	Lower Salinas River
		3	Upper Salinas River
		4	Monterey Coast
E	SAN FRANCISCO BAY	0	San Francisco Bay
		2	Marin - Sonoma
		3	Napa - Solano
		5	Alameda Creek
		6	Santa Clara Valley
F	NORTH COASTAL	8	Mendocino
		9	Russian River

Surface water quality stations located on broad bodies of water have elements of latitude and longitude included in the station number to assist in location. The station "San Pablo Bay at Point San Pablo" is an example:



In order to increase the amount of information presented in the water quality tables, some columns have multiple headings and data are tabulated respectively. For example, the first column of Table C-1 shows the date of sample collection printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data was obtained.

At the time of sampling, dissolved oxygen, pH, temperature, specific conductance and gage height are determined.

Abbreviations and codes used in each table are explained at the beginning of each table.

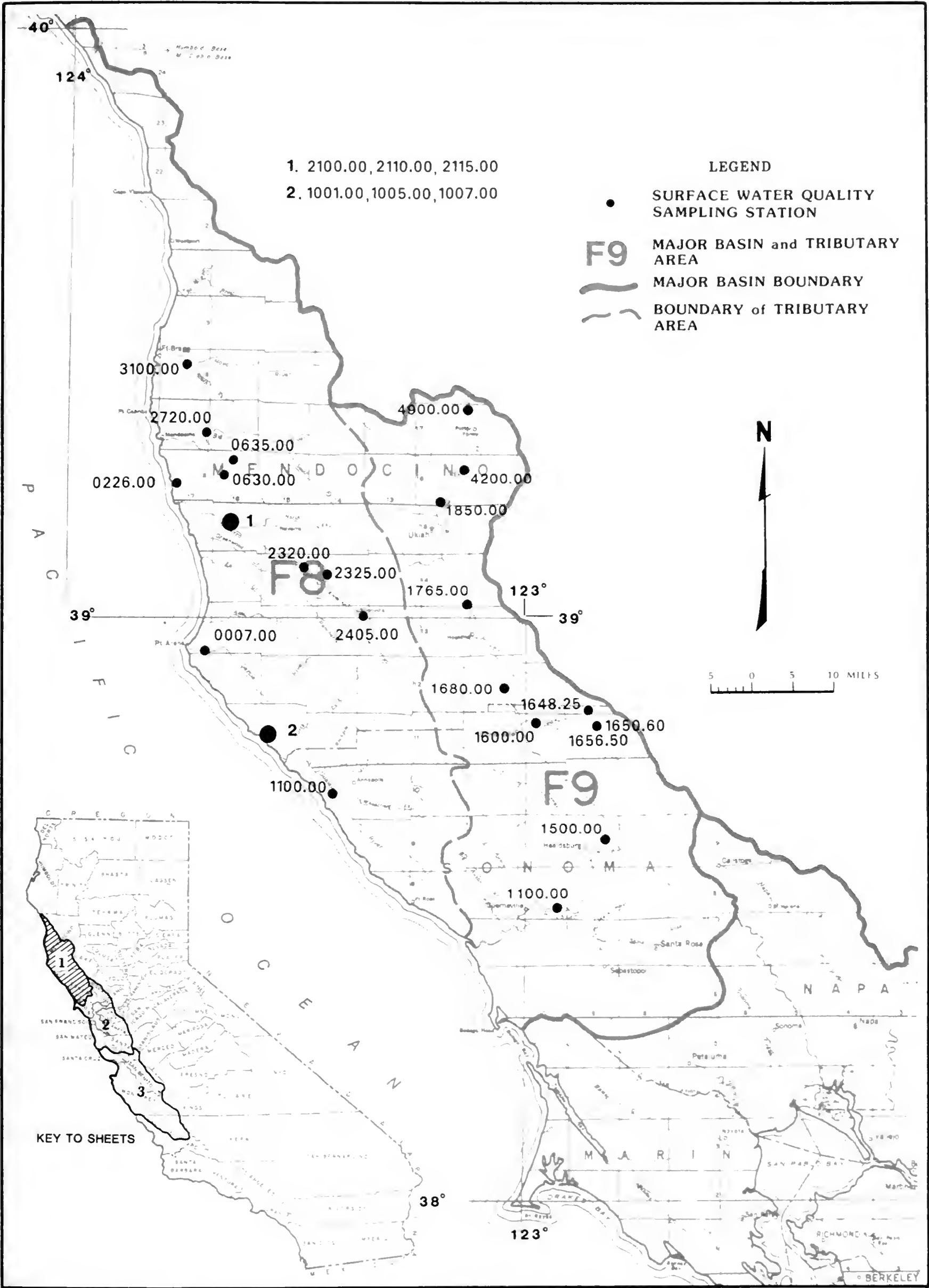


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

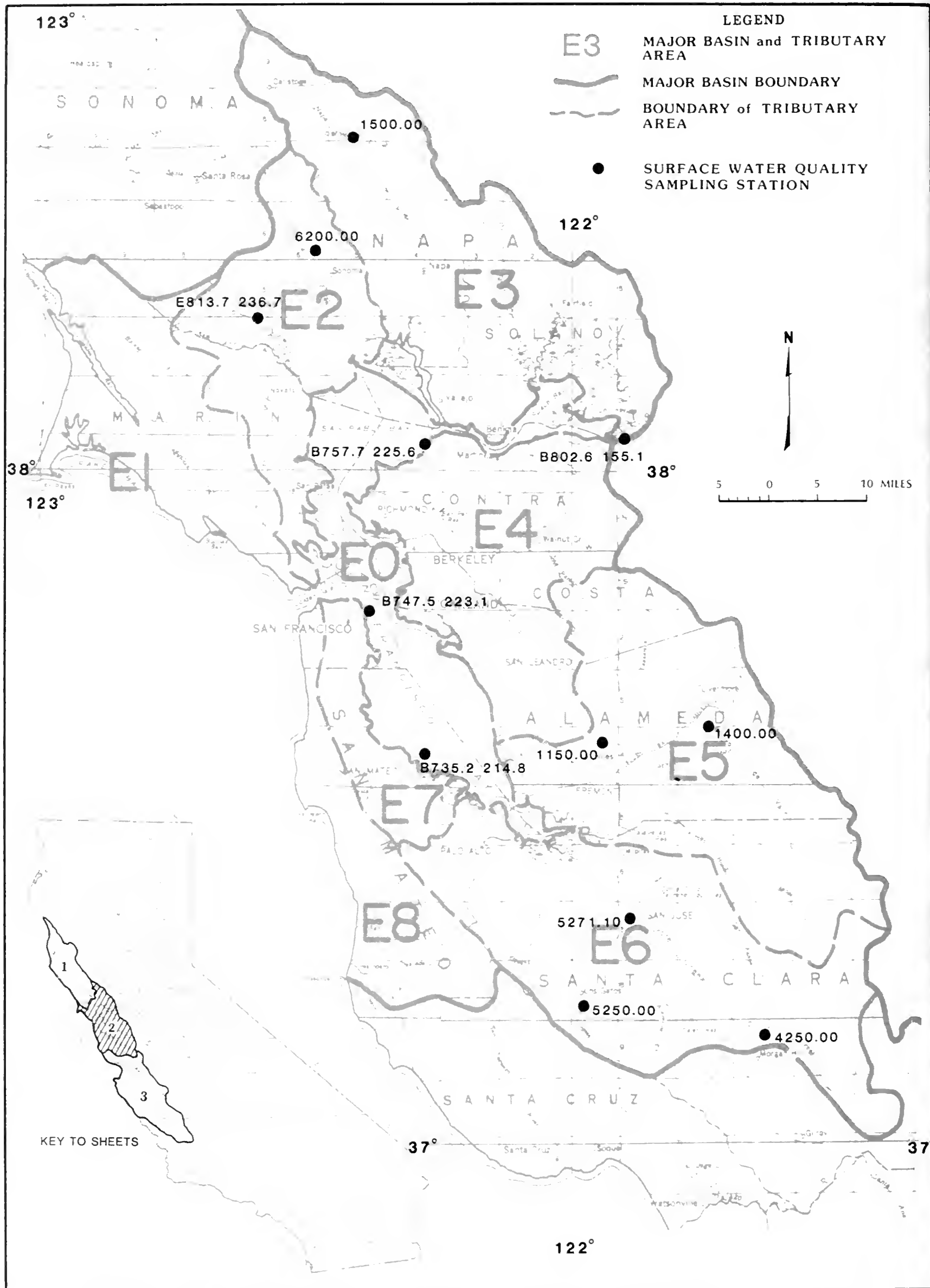


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

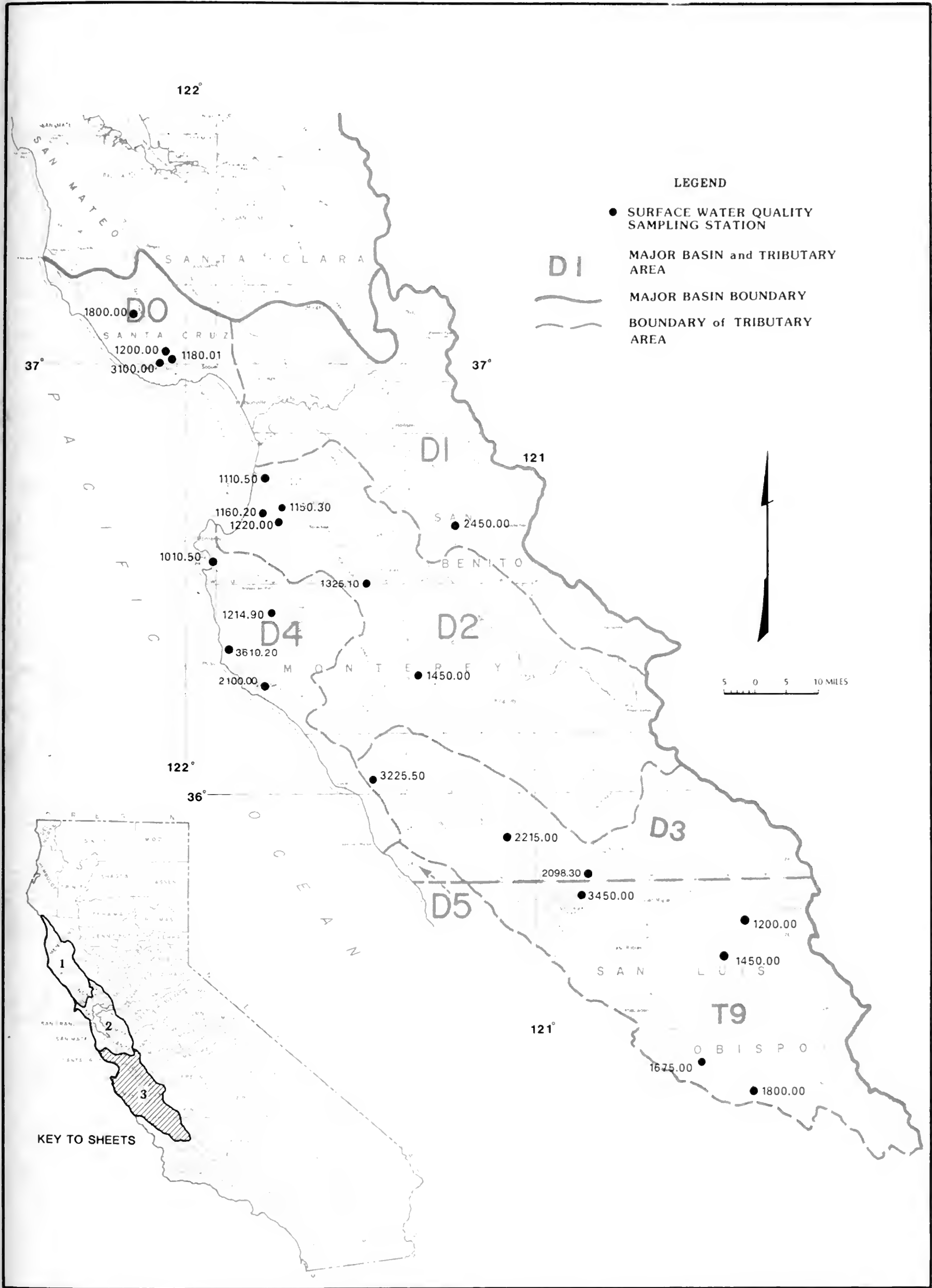


Figure 4 LOCATION OF SURFACE WATER QUALITY STATIONS

TABLE C-1 MINERAL ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163 - California Department of Water Resources for the State Water Resources Control Board
5050 - California Department of Water Resources

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock
G. H. - Instantaneous gage height in feet above an established datum
Q - Instantaneous discharge in cubic feet per second (E = Estimated)
DO - Dissolved oxygen content in milligrams per liter
SAT - Percent of normal dissolved oxygen saturation
TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
Field - Determined in the field
Laboratory - Determined in the laboratory
pH - Measure of acidity or alkalinity of water
EC - Electrical conductance in microsiemens at 25°C

Constituents:

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CACO3	-	Calcium Carbonate	NA	-	Sodium
CL	-	Chloride	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
			SO4	-	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units; milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion. PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage.

TDS - Gravimetric determination of total dissolved solids at 180°C
SUM - Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
TH - Total Hardness
NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity
TURB - Jackson turbidity units measured with Hellige Turbidimeter (E) or a Hach nephelometer (A) with (F) for field determinations
SAR - Sodium adsorption ratio
ASAR - Adjusted sodium adsorption ratio
REM - Remarks; code letters are:
T - Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.
E - Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity
S - The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of ± 5 percent.
X - Indicates the field electrical conductivity and the laboratory electrical conductivity are not within 20 percent of each other.

TABLE C-1

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	NO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				REF	
							CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TW NCH	SAR ASAR	REF

NO		1140.01		SAN LORENZO R A PARADISE PK										TC540						
10/29/84 1030	5050 5050		12.5 11A	55.4F 13.0C	7.0	413	--	--	--	--	--	--	--	--	--	24	--	242		
03/11/85 1230	5050 5050	200E	10.5 94	50.9F 10.5C	7.6 7.9	246 264	26 1.30 48	8.0 .66 24	17 .74 27	--	78 1.56	--	--	--	--	--	198	98 20	0.7 1.1	E
08/20/85 1117	5050 5050		12.4 133	66.2F 19.0C	8.4	369	--	--	--	--	--	--	--	--	14	--	231			
09/09/85 1235	5050 5050	10E	11.3 119	64.4F 18.0C	8.4 8.3	388 373	40 2.00 54	8.0 .66 18	24 1.04 28	--	109 2.18	--	--	--	14	--	220	133 24	0.9 1.5	
NO		1200.00		SAN LORENZO R A BIG TREES										TC540						
03/11/85 1315	5050 5050	4.27	10.7 97	51.8F 11.0C	7.8 7.9	270 279	28 1.40 54	6.0 .49 19	16 .70 27	--	68 1.36	--	--	--	--	--	184	94 27	0.7 1.0	
09/09/85 1300	5050 5050	2.52	9.6 101	64.4F 18.0C	7.9 8.4	399 384	42 2.10 55	8.0 .66 17	25 1.09 28	--	112 2.24	--	--	--	--	--	239	139 26	0.9 1.6	
NO		1800.00		SAN LORENZO R NR BOULDER C										EC500						
03/11/85 1400	5050 5050	2.55	11.5 104	50.0F 10.0C	8.0 8.0	361 370	45 2.25 62	8.0 .66 18	17 .74 20	--	109 2.18	--	--	--	--	--	232	145 27	0.6 1.1	
09/09/85 1345	5050 5050	2.30	9.8 99	59.0F 15.0C	8.4 8.5	529 514	73 3.64 64	12 .99 17	24 1.04 18	--	106 3.92	--	--	--	--	--	321	232 26	0.7 1.4	
NO		3100.00		SQUEL C A SQUEL										TC483						
03/11/85 1500	5050 5050	2.56	10.5 97	53.6F 12.0C	8.0 8.1	462 458	45 2.25 51	13 1.07 24	24 1.13 25	--	113 2.26	--	--	--	--	--	204	166 53	0.9 1.6	
09/09/85 1245	5050 5050	1.58	10.0 107	66.2F 19.0C	8.4 8.4	924 676	37 1.60 26	11 .90 14	66 3.74 60	--	183 3.66	--	--	--	--	--	422	125 0	2.3 6.1	Y
01		2450.00		SAN BENTTO R NR WILLOW C SCHOOL										TC560						
10/30/84 0930	5050 5050	4.31 5E	10.3 102	57.2F 14.0C	8.4	1512 1520	--	--	--	--	--	--	--	--	24	--	926			
03/11/85 1145	5050 5050		12.0 117	55.4F 13.0C	8.5 8.5	1406 1370	41 2.05 13	100 8.22 52	126 5.48 35	--	413 8.25	--	--	--	--	--	867	514 171	2.4 6.6	
08/20/85 0912	5050 5050	4.01	10.1 111	66.2F 19.0C	8.2	1680	--	--	--	--	--	--	--	--	14	--	1120			
09/09/85 1055	5050 5050		12.1 131	64.4F 19.0C	8.4 8.6	1852 1980	34 1.70 8	118 9.70 45	236 10.27 47	--	401 9.01	--	--	--	14	--	1280	571 170	4.3 11.7	
02		1110.50		SALINAS R A TWIN BRIDGES										TC9A0						
03/12/85 0830	5050 5050		10.3 97	55.4F 13.0C	8.2 8.4	2064 2040	90 4.49 22	68 5.59 28	230 10.01 50	--	358 7.15	--	--	--	--	--	1200	504 147	4.5 11.7	
02		1150.30		SALINAS R A BLANCO RD										TC9A0						
03/12/85 0930	5050 5050		5.5 51	53.6F 12.0C	7.6 7.7	1584 1550	99 4.94 31	50 4.11 26	153 6.66 42	--	325 6.45	--	--	--	--	--	934	553 126	2.1 5.0	
09/09/85 1530	5050 5050		9.9 115	73.4F 23.0C	7.8 8.4	1924 1860	125 6.24 31	68 5.59 28	192 6.35 41	--	483 9.65	--	--	--	--	--	1150	592 109	3.4 9.7	
02		1160.20		SALINAS R A DAVIS RD										TC9A0						
03/12/85 0945	5050 5050		5.8 54	54.5F 12.5C	7.4 7.7	1468 1350	82 4.09 31	40 3.29 25	133 5.79 44	--	270 5.39	--	--	--	--	--	722	369 100	3.0 7.2	
02		1220.00		SALINAS R NR SPRECKELS										TC9A0						
03/12/85 1015	5050 5050		8.4 83	59.0F 15.0C	7.4 7.6	1046 1070	54 2.69 28	30 2.47 26	100 4.35 46	--	222 4.44	--	--	--	--	--	589	258 36	2.7 5.9	
02		1325.10		SALINAS R NR GONZALES										TC9A0						
03/12/85 1430	5050 5050		11.3 108	56.3F 13.5C	8.4 8.3	1052 1050	87 4.34 41	38 3.13 29	74 3.22 30	--	180 3.60	--	--	--	--	--	685	374 104	1.7 3.8	
09/10/85 1345	5050 5050		9.1 104	71.6F 22.0C	8.4 8.4	445 434	42 2.10 47	18 1.48 33	21 .91 20	--	140 2.80	--	--	--	--	--	260	179 30	0.7 1.3	

TABLE C-1 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAR	G.L. Q	DD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
						CA	MG	NA	K		CA CO3	SO4	CL	NO3	TURB	SI O2	TDS SIM	TH NCH	SAR ASAR	RFM
* * * * *																				
		D2	1430.00	ARRIYO SEC R NR SOLEDAD							TC0F0									
03/12/85	5050	2.36	11.4	50.9F	8.4	284	33	8.0	12	--	83	--	--	--	--	--	179	116	0.6	
1330	5050		103	10.5C	8.1	281	1.65 58	.66 23	.52 18	--	1.66	--	--	--	2A	--		33	0.7	
09/10/85	5050	1.20	11.8	68.9F	8.1	970	63	26	89	--	158	--	--	--	--	--	594	264	2.4	
1300	5050		132	20.5C	8.5	901	3.14 34	2.14 23	3.87 42	--	3.16	--	--	--	--	--		106	4.9	
		D3	1450.00	SALINAS R A PASO ROBLES							TC0H1									
03/13/85	5050		10.8	64.4F	8.4	741	76	29	39	--	201	--	--	--	--	--	481	309	1.0	
1215	5050	75E	116	18.0C	7.8	743	3.79 48	2.38 30	1.70 22	--	4.02	--	--	--	--	--		108	2.2	
		D3	1675.00	SALINAS R AR PILITAS C SANTA MARG							TC0H1									
03/13/85	5050		11.9	62.6F	8.2	614	54	30	38	--	145	--	--	--	--	--	422	258	1.0	
1315	5050	2E	127	17.3C	7.8	641	2.69 40	2.47 36	1.65 24	--	2.90	--	--	--	--	--		113	2.1	
09/11/85	5050		7.9	65.2F	7.7	526	34	26	35	--	122	--	--	--	--	--	316	192	1.1	
0930	5050	1E	88	19.0C	8.3	531	1.70 32	2.14 40	1.52 28	--	2.44	--	--	--	--	--		70	2.0	
		D3	1800.00	SALINAS R N P070							TC0H1									
03/13/85	5050		12.2	65.3F	8.4	531	44	24	32	--	124	--	--	--	--	--	348	209	1.0	
1400	5050	5E	136	18.5C	7.9	541	2.20 40	1.97 35	1.39 25	--	2.48	--	--	--	--	--		85	1.8	
		D3	2098.30	SAN ANTONIO R RL SAN ANTONIO DM							TC0H1									
10/30/84	5050		9.7	62.6F	8.0	404	--	--	--	--	--	--	--	--	--	--	266			
1130	5050	30E	102	17.0C		406	--	--	--	--	--	--	--	--	2A	--				
03/13/85	5050		5.6	59.0F	7.4	676	68	22	47	--	159	--	--	--	--	--	437	260	1.3	
1130	5050	10E	56	15.0C	7.9	691	3.39 47	1.81 25	2.04 28	--	3.18	--	--	--	--	--		101	2.6	
08/21/85	5050		12.0	57.2F	8.2	355	--	--	--	--	--	--	--	--	--	--	261			
0933	5050	15	118	14.0C			--	--	--	--	--	--	--	--	2A	--				
09/11/85	5050		8.1	53.6F	7.6	449	49	15	19	--	137	--	--	--	--	--	288	184	0.6	
0730	5050	100E	76	12.0C	8.4	452	2.45 54	1.23 27	.83 18	--	2.74	--	--	--	3A	--		47	1.2	
		D3	2215.00	SAN ANTONIO R NR LOCKWOOD							TC0H1									
03/13/85	5050		10.2	50.9F	7.8	395	49	16	15	--	115	--	--	--	--	--	290	188	0.5	
0815	5050	125E	94	10.5C	8.1	396	2.45 55	1.32 30	.65 15	--	2.30	--	--	--	--	--		74	0.9	
		D3	2225.50	NACIMIENTO R NR JOLON							TC0H1									
03/13/85	5050		10.5	47.3F	7.8	276	38	9.0	8.0	--	113	--	--	--	--	--	186	132	0.3	
0945	5050	25E	95	8.5C	8.0	283	1.90 64	.74 25	.39 12	--	2.26	--	--	--	--	--		19	0.6	
		D3	3450.00	NACIMIENTO R RL NAC DM NR PRADIFY							TC0H1									
10/30/84	5050		8.7	62.6F	7.4	345	--	--	--	--	--	--	--	--	--	--	211			
1200	5050	50E	91	17.0C		338	--	--	--	--	--	--	--	--	4A	--				
03/13/85	5050		12.9	51.8F	8.2	348	37	16	12	--	114	--	--	--	--	--	209	159	0.4	
1100	5050	25E	119	11.0C	8.1	344	1.85 50	1.32 36	.52 14	--	2.28	--	--	--	--	--		45	0.7	
08/21/85	5050		7.1	71.6F	7.2	281	--	--	--	--	--	--	--	--	--	--	206			
1021	5050	100	82	22.0C			--	--	--	--	--	--	--	--	5A	--				
09/11/85	5050		7.5	68.0F	8.0	402	37	17	12	--	130	--	--	--	--	--	226	163	0.4	
0900	5050	300E	84	20.0C	8.3	376	1.85 49	1.40 37	.52 14	--	2.60	--	--	--	4A	--		33	0.8	
		D4	1010.50	CARMEL R A HWY 1							TC700									
03/12/85	5050		10.5	51.8F	7.6	344	32	10	21	--	95	--	--	--	--	--	216	121	0.8	
1100	5050	600E	95	11.0C	8.0	346	1.60 48	.82 25	.91 27	--	1.90	--	--	--	--	--		26	1.3	
		D4	1214.90	CARMEL R RL SAN CLEMENTE DAM							TC700									
03/12/85	5050		1.30	50.0F	8.0	236	23	8.0	12	--	78	--	--	--	--	--	154	90	0.6	
1200	5050	100E	108	10.0C	8.0	241	1.15 49	.65 28	.52 22	--	1.56	--	--	--	--	--		13	0.8	
09/10/85	5050		4.18	68.0F	7.8	346	36	11	15	--	128	--	--	--	--	--	200	135	0.6	
1130	5050	10E	103	20.0C	8.4	329	1.80 54	.90 27	.65 19	--	2.56	--	--	--	--	--		7	1.0	

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O	DD SAT	TEMP	FIELD		MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				SAR	LFP
					LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TPH	SiO2	TH	ASAP			
D4 2100.00 BIG SHR R NR BIG SHR TOP00																					
10/29/84 1330	5050 5050	3.39 15F	11.2 102	51.8F 11.0C	8.0 310	--	--	--	--	--	--	--	--	--	0A	--	182				
04/10/85 1315	5050 5050	2.98 50F	11.1 105	54.5F 12.5C	7.1 234	--	--	--	--	--	--	--	--	--	0A	--	154				
09/10/85 1000	5050 5050	3.60 20E	13.4 106	60.8F 16.0C	8.3 290	40 2.00	7.0 .58	10 .44	--	121 2.42	--	--	--	--	--	--	129 8	0.4 0.7			
D4 2610.20 LITTLE SHR R A HWY 1 TOP00																					
10/29/84 1430	5050 5050		10.8 102	55.4F 13.0C	8.4 364	--	--	--	--	--	--	--	--	--	1A	--	212				
04/10/85 1420	5050 5050		10.7 101	55.4F 13.0C	8.0 245	--	--	--	--	--	--	--	--	--	0A	--	155				
09/10/85 0900	5050 5050		10.5 104	60.8F 16.0C	8.1 370	40 2.45	11 .90	18 .76	--	154 3.05	--	--	--	--	--	--	129 14	0.4 1.2			
EO R 735.2 214.8 SF RAY SAN MATEO R PIER 20 S-CHAN E0400																					
07/15/85 1100	5050 5050			68 F 20 C	44500 46200	--	--	--	--	--	--	17000 479.40	--	--	--	--	31600				
07/30/85 0930	5050 5050			69 F 21 C	44800 46700	--	--	--	--	--	--	17400 480.64	--	--	--	--	32100				
08/22/85 1130	5050 5050			68.4F 20.2C	45450 47500	--	--	--	--	--	--	17500 486.32	--	--	--	--	32000				
09/10/85 0945	5050 5050			65 F 19 C	44750 47800	--	--	--	--	--	--	16900 467.60	--	--	--	--	32300		F		
09/25/85 0915	5050 5050			66.9F 19.4C	46400 47900	--	--	--	--	--	--	18200 493.24	--	--	--	--	33000		F		
EO P 747.5 223.1 SF RAY SF PORT PIER 24 RAY RW V-2 E0303																					
10/01/84 0930	5050 5050			64 F 18 C	43000 42900	--	--	--	--	--	--	16700 470.96	--	--	--	--	32400		F		
10/15/84 0930	5050 5050			61 F 15 C	42900 42100	--	--	--	--	--	--	16100 454.02	--	--	--	--	31800		F		
11/05/84 1315	5050 5050			56 F 13 C	43550 43600	--	--	--	--	--	--	16800 473.76	--	--	--	--	32700		F		
11/19/84 1145	5050 5050			56 F 13 C	42300 42100	--	--	--	--	--	--	16000 446.32	--	--	--	--	31400		F		
12/17/84 1100	5050 5050			51 F 11 C	40500 40000	--	--	--	--	--	--	14500 411.72	--	--	--	--	29400		F		
01/16/85 1200	5050 5050			49 F 9 C	41200 41400	--	--	--	--	--	--	15700 442.74	--	--	--	--	30700		F		
01/30/85 1030	5050 5050			48 F 9 C	40700 40600	--	--	--	--	--	--	15500 437.10	--	--	--	--	30700		F		
02/21/85 1300	5050 5050			53 F 12 C	35100 41300	--	--	--	--	--	--	15700 442.74	--	--	--	--	30300		F		
03/07/85 1015	5050 5050			50 F 10 C	45100 40600	--	--	--	--	--	--	15200 428.64	--	--	--	--	29900		F		
03/19/85 1145	5050 5050			53 F 12 C	43200 43200	--	--	--	--	--	--	16000 451.20	--	--	--	--	32000		F		
04/08/85 0945	5050 5050			57 F 14 C	41950 42000	--	--	--	--	--	--	15400 445.56	--	--	--	--	30800		F		
04/19/85 1100	5050 5050			56 F 13 C	44350 45700	--	--	--	--	--	--	16900 476.38	--	--	--	--	31900				
05/09/85 1115	5050 5050			56 F 13 C	45200 46900	--	--	--	--	--	--	17400 490.64	--	--	--	--	32800				
05/29/85 0915	5050 5050			57 F 14 C	45350 47100	--	--	--	--	--	--	17600 496.32	--	--	--	--	32700				
06/12/85 0930	5050 5050			59 F 15 C	45550 47100	--	--	--	--	--	--	17600 496.32	--	--	--	--	32500				

MINERAL ANALYSES OF SURFACE WATER

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MINERAL ANALYSES OF SURFACE WATER

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MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. Q	DD SAT	TEMP	FIELD		MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER				MILLIGRAMS PER LITER							
					LABORATORY PH	EC					PERCENT REACTANCE VALUE				R F										
							CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SiO2	TDS SIM	TH NCH	CASAR	REM					
* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *							
FR		2110.00	FLYNN C NR NAVARRO									F13E0													
04/18/R5	5050		10.7	50.9F	7.3	183	16	6.0	10	--	72	--	7.0	--	.1	--		64	0.5						
C905	5050	4E	96	10.5C	8.1	179	.80	.49	.44	--	1.44	--	.20	--	1A	--		0	0.7						
							46	28	25																
FR		2115.00	NAVARRO R NF NR NAVARRO									F13E0													
04/18/R5	5050		10.8	52.7F	7.3	223	21	8.0	13	--	92	--	6.0	--	.2	--		86	0.6						
C925	5050	20E	99	11.5C	8.1	221	1.05	.66	.57	--	1.84	--	.17	--	1A	--		0	0.9						
							46	29	25																
FR		2320.00	NAVARRO R A HENDY WOODS STATE PK									F13E0													
04/18/R5	5050		10.8	57.2F	7.7	234	23	9.0	11	--	98	--	5.0	--	.2	--		94	0.5						
C945	5050	8CE	105	14.0C	8.2	231	1.15	.74	.48	--	1.96	--	.14	--	0A	--		0	0.7						
							49	31	20																
FB		2325.00	INDIAN C A PHILD									F13E0													
04/18/R5	5050		11.0	55.4F	7.8	262	27	10	14	--	117	--	5.0	--	.2	--		109	0.6						
1005	5050	25F	105	13.0C	8.1	264	1.35	.92	.61	--	2.34	--	.14	--	0A	--		0	1.0						
							49	29	22																
FR		2405.00	ANDERSON C A HWY 253									F13E0													
04/18/R5	5050		11.2	56.3F	8.2	245	26	9.0	12	--	105	--	4.0	--	.1	--		102	0.5						
1025	5050	9E	109	13.5C	8.2	244	1.30	.74	.52	--	2.10	--	.11	--	1A	--		0	0.8						
							51	29	20																
FR		2720.00	BIG R NR MENDOZINO									F13C0													
10/25/R4	5050		10.3	53.6F	7.5	221	21	7.0	12	--	89	--	8.0	--	.4	--	128	82	0.6						
C915	5050	9E	95	12.0C	8.1	218	1.05	.58	.52	--	1.78	--	.23	--	1A	--		0	0.8						
							49	27	24																
12/05/R4	5050		10.7	50.0F	7.2	134	--	--	--	--	--	--	--	--	--	--									
C905	5050	70E	95	10.0C											15AF	--									
02/08/R5	5050		11.0	48.2F		84	7.0	3.0	6.0	--	27	--	4.0	--	.1	--		30	0.5						
C843	5050	300JE	95	9.0C	7.8	81	.35	.25	.26	--	.54	--	.11	--	60JA	--		3	0.2						
			</																						

TABLE C-1 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAR	G.H. O	DO SAT	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				TDS MG/L	TH MG/L	SAR ASAP	DEM
					LABORATORY PH	FC	CA	MG	NA	K	PERCENT REACTANCE VALUE											
											CaCO3	SO4	Cl	NO3								
F9 1600.00 RIG SULPHUR C NR CLOVERDALE F14RA																						
05/07/85	5050		9.8	67	F	8.3	344	33	21	9.0	1.0	1.1	2.0	2.0	.7	--	202	159	0.3			
1245	5050		107	19	C	8.4	350	1.65	1.73	.39	.03	3.22	.84	.06	.02	14	--	191	160			
							43	46	10	1		14	2	1					0.4			
09/11/85	5050		10.3	88	F	8.6	415	39	24	14	1.4	150	83	3.0	5.3	1.7	--	243	198			
1420	5050		114	20	C	8.6	421	1.95	1.97	.61	.04	3.00	1.31	.05	.04	74	--	241	198			
							43	43	13	1		29	2	2					0.9			
F9 1648.25 RIG SULPHUR C AR SQUAW C F14RA																						
10/03/84	5050		8.7	59.0F	7.9	715	48	41	34	3.2	--	140	2.0	--	3.4	--		289	0.0			
CR00	5050		88	15.0C			2.40	3.37	1.48	.06		3.09	.08		1.8F	--						
							33	46	20	1												
11/07/84	5050		9.7	51.8F	8.1	375	30	24	12	1.7	--	55	3.0	--	1.0	--		174	0.0			
1030	5050		90	11.0C			1.50	1.97	.57	.04		1.14	.08		1.44F	--						
							37	49	13	1												
12/05/84	5050		10.6	51.8F	8.1	283	26	17	8.0	.5	--	32	2.0	--	.9	--		128	0.0			
1100	5050		49	11.0C			1.30	1.40	.26	.02		.47	.06		7.8F	--						
							44	47	6	1												
01/08/85	5050		12.0	46.4F	7.9	365	31	22	9.0	1.2	--	48	2.0	--	1.4	--		160	0.0			
0915	5050		104	8.0C	8.3		1.55	1.81	.39	.03		1.00	.06		1.34F	--						
							41	48	10	1												
02/05/85	5050		11.0	41.0F	7.9	420	35	26	11	1.3	--	53	2.0	--	1.4	--		194	0.0			
0915	5050		88	5.0C			1.75	2.14	.48	.03		1.10	.06		1.3F	--						
							40	49	11	1												
03/08/85	5050		10.3	44.6F	8.0	325	28	20	8.0	--	--	37	2.0	--	1.0	--		152	0.0			
0935	5050		87	7.0C			1.40	1.64	.35			.77	.06		4.4F	--						
							41	48	10													
04/02/85	5050		10.2	55.4F	8.2	291	33	22	8.0	--	--	28	2.0	--	.8F	--		173	0.0			
0915	5050		99	13.0C			1.65	1.81	.35			.54	.06		2.8F	--						
							43	48	6													
05/08/85	5050		10.8	56.3F	8.2	420	36	24	11	--	--	51	2.0	--	1.3	--		197	0.0			
0900	5050		106	13.5C			1.80	2.14	.48			1.05	.06		1.8F	--						
							41	48	11													
06/05/85	5050		8.9	63.5F	8.2	475	40	29	14	--	--	62	2.0	--	1.6	--		220	0.0			
0800	5050		95	17.5C			2.00	2.38	.61			1.29	.06		1.8F	--						
							40	48	12													
07/10/85	5050		10.2	78.8F	8.1	610	47	37	26	--	--	121	4.0	--	2.9	--		269	0.0			
1130	5050		125	26.0C			2.35	3.04	1.13			2.52	.11		2.4F	--						
							36	47	17													
08/07/85	5050		7.4	65.3F	8.0	655	41	39	30	--	--	136	3.0	--	3.4	--		288	0.0			
0800	5050		81	18.5C			2.54	3.21	1.31			2.83	.06		1.8F	--						
							36	45	19													
09/04/85	5050		10.6	69.8F	8.3	670	52	40	30	--	--	140	3.0	--	7.9	--		294	0.0			
1330	5050		121	21.0C			2.59	3.29	1.31			2.91	.08		1.8F	--						
							36	46	18													
F9 1650.60 RIG SULPHUR C AR EAGLE ROCK F14RA																						
10/03/84	5050		8.2	63.5F	7.7	611	52	39	22	2.6	--	123	2.0	--	3.4	--		290	0.0			
1215	5050		89	17.5C			2.59	3.21	.98	.07		2.56	.06		1.3F	--						
							38	47	14	1												
11/07/84	5050		10.0	52.7F	7.9	355	28	24	9.0	1.3	--	49	3.0	--	1.7	--		169	0.0			
0900	5050		95	11.5C			1.40	1.97	.39	.03		1.00	.06		2.28F	--						
							37	52	10	1												
12/05/84	5050		10.2	51.8F	7.7	257	22	15	4.0	.7	--	28	2.0	--	.9	--		117	0.0			
1020	5050		96	11.0C			1.10	1.23	.17	.02		.88	.06		5.4F	--						
							44	49	7	1												
01/08/85	5050		9.2	50.0F	8.0	315	28	19	8.0	1.0	--	40	1.0	--	1.6	--		148	0.0			
1400	5050		85	10.0C	8.1		1.40	1.56	.26	.03		.63	.03		5.8F	--						
							43	48	8	1												
02/05/85	5050		8.4	46.4F	7.9	378	30	23	8.0	1.0	--	44	2.0	--	1.5	--		170	0.0			
1110	5050		74	8.0C			1.50	1.89	.35	.03		.92	.06		2.4F	--						
							40	50	9	1												
03/08/85	5050		11.4	49.2F	8.1	300	25	19	8.0	--	--	35	2.0	--	1.0	--		141	0.0			
1040	5050		103	9.0C			1.25	1.56	.35			.73	.06		1.34F	--						
							40	49	11													
04/02/85	5050		9.2	62.6F	8.0	260	26	17	5.0	--	--	24	2.0	--	.8	--		135	0.0			
1530	5050		99	17.0C			1.30	1.40	.22			.53	.06		2.4F	--						
							45	48	8													
05/08/85	5050		10.0	59.9F	8.2	380	32	24	8.0	--	--	42	2.0	--	1.4	--		179	0.0			
1015	5050		104	15.5C			1.60	1.97	.35			.87	.06		2.8F	--						
							41	50	9													
06/05/85	5050		9.2	65.3F	8.2	430	37	28	10	--	--	51	2.0	--	1.5	--		200	0.0			
0915	5050		102	18.5C			1.45	2.30	.44			1.05	.06		1.8F	--						
							40	50	10													
07/11/85	5050		9.2	60.6F	8.1	540	45	35	17	--	--	99	3.0	--	2.9	--		254	0.0			
1320	5050		119	27.0C			2.25	2.48	.74			2.06	.08		1.8F	--						
							36	49	13													
08/07/85	5050		10.5	70.7F	7.9	602	39	40	19	--	--	53	2.0	--	3.0	--		267	0.0			
0900	5050		123	21.5C			1.95	3.29	.83			1.73	.06		1.8F	--						
							37	54	14													
09/04/85	5050		9.8	69.8F	8.0	610	52	40	21	--	--	113	3.0									

TABLE C-1 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. O	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						PEM
						CA	MG	NA	K	CACD3	SO4	CL	NO3	TURP	SIO2	TDS SUM	TH NCH	SAR ASAR		

FQ 1656.50		SILPHUR C, RTG, & GEYSERS RESORT										F14R6								
10/03/84	5050		9.5	63.5F	7.7	600	46	43	21	2.6	--	94	2.0	--	4.7	--		292	0.0	
1015	5050		92	17.5C			2.30	3.54	.91	.07		1.96	.06	--	14F	--				
							34	52	13	1										
11/07/84	5050		10.0	53.6F	8.0	310	26	23	8.0	1.2	--	39	3.0	--	1.3	--		160	0.0	
0945	5050		97	12.0C			1.30	1.89	.35	.03		.81	.08	--	154F	--				
		0					36	53	10	1										
12/05/84	5050		10.6	52.7F	7.9	230	20	14	4.0	.7	--	20	2.0	--	.9	--		108	0.0	
1130	5050		101	11.5C			1.00	1.15	.17	.02		.42	.06	--	54F	--				
							43	40	7	1										
01/08/85	5050		11.5	50.0F	8.0	295	26	17	6.0	.8	--	30	2.0	--	1.6	--		135	0.0	
1200	5050		106	10.0C	8.5		1.30	1.40	.26	.02		.62	.06	--	54F	--				
							44	47	9	1										
02/05/85	5050		10.3	45.5F	8.0	340	27	22	7.0	1.0	--	36	3.0	--	1.5	--		158	0.0	
0945	5050		96	7.5C			1.35	1.81	.30	.03		.75	.08	--	24F	--				
							39	52	9	1										
03/08/85	5050		9.7	47.3F	7.8	275	23	18	6.0	--	--	29	2.0	--	.9	--		132	0.0	
1010	5050		86	8.5C			1.15	1.48	.26			.60	.06	--	64F	--				
							40	51	9											
04/02/85	5050		9.4	40.8F	8.0	225	27	19	6.0	--	--	20	2.0	--	.8	--		146	0.0	
1350	5050		99	16.0C			1.35	1.56	.26			.42	.06	--	14F	--				
							43	49	8											
05/08/85	5050		9.6	35.4F	8.2	360	28	23	7.0	--	--	34	2.0	--	1.2	--		165	0.0	
0920	5050		95	13.0C			1.40	1.89	.30			.71	.06	--	14F	--				
							39	53	8											
06/05/85	5050		10.0	64.4F	8.1	400	34	26	10	--	--	41	2.0	--	1.7	--		192	0.0	
0830	5050		110	19.0C			1.70	2.14	.44			.85	.06	--	14F	--				
							40	50	10											
07/10/85	5050		7.3	82.4F	8.1	505	40	37	16	--	--	75	3.0	--	3.2	--		252	0.0	
1230	5050		97	28.0C			2.00	3.04	.70			1.56	.08	--	24F	--				
							35	52	12											
08/07/85	5050		7.8	69.8F	8.0	570	49	38	20	--	--	105	2.0	--	3.3	--		279	0.0	
0830	5050		91	21.0C			2.45	3.13	.87			2.19	.06	--	14F	--				
							38	49	13											
09/04/85	5050		8.2	77.0F	8.2	570	45	40	20	--	--	101	3.0	--	14.0	--		277	0.0	
1245	5050		103	25.0C			2.25	3.29	.87			2.10	.08	--	24F	--				
							35	51	14											
FQ 1680.00		RUSSIAN R NR CLOVERDALE										F14C1								
05/07/85	5050	2.44	13.3	65	F 8.4	249	25	13	10	.9	112	14	5.0	.9	.5	--	142	116	0.4	
1345	5050		142	18	C 8.3	257	1.25	1.07	.44	.02	2.24	.29	.14	.01	14	--	136	4	0.7	
							45	28	16	1		11	5	0						
09/11/85	5050	2.34	9.1	67	F 8.4	203	21	10	8.0	.9	92	11	4.0	.4	.4	--	125	94	0.4	
1515	5050		99	19	C 8.4	209	1.05	.82	.35	.02	1.84	.23	.11	.01	24	--	111	2	0.5	
							47	37	16	1		11	5	0						
FQ 1745.00		RUSSIAN R NR HOPLAND										F14C1								
05/07/85	5050	2.52	14.5	64	F 8.4	224	21	11	10	1.0	97	13	5.0	1.4	.4	--	132	98	0.4	
1615	5050		154	18	C 8.3	231	1.05	.90	.44	.03	1.94	.27	.14	.02	34	--	121	1	0.7	
							43	37	18	1		11	6	1						
09/11/85	5050	2.80	10.8	67	F 8.2	197	20	9.0	8.0	1.0	88	10	4.0	.9	.4	--	113	87	0.4	
1615	5050		119	19	C 8.4	204	1.00	.74	.35	.03	1.76	.21	.11	.01	44	--	106	0	0.5	
							47	35	17	1		10	5	0						
FQ 1850.00		RUSSIAN R NR UKIAH										F14C1								
05/07/85	5050	4.44	10.4	69	F 8.4	223	22	10	10	1.0	96	10	6.0	.7	.2	--	134	96	0.4	
1615	5050		117	21	C 8.3	230	1.10	.82	.44	.03	1.98	.21	.17	.01	18	--	119	0	0.7	
							46	34	18	1		9	7	0						
09/12/85	5050	5.01	8.9	58	F 7.9	303	26	12	22	1.2	126	14	15	.4	.2	--	178	115	0.9	
0730	5050		88	14	C 8.5	314	1.30	.99	.96	.03	2.52	.29	.42	.01	08	--	166	0	1.5	
							40	30	29	1		9	13	0						
FQ 4200.00		RUSSIAN R, EF, NR CAIPPELLA										F14C1								
05/08/85	5050	5.43	11.3	57	F 7.8	216	23	10	8.0	.9	79	12	3.0	.4	.4	--	139	98	0.4	
0830	5050		112	14	C 7.7	228	1.15	.82	.35	.12	1.98	.25	.08	.01	14	--	117	0	0.5	
							49	35	15	1		11	3	0						
09/12/85	5050	6.69	10.4	63	F 8.1	171	20	7.0	6.0	.7	79	9.0	3.0	.1	.4	--	101	75	0.3	
0845	5050		110	17	C 8.3	181	1.00	.58	.26	.02	1.58	.19	.08	.00	54	--	94	0	0.4	
							54	31	14	1		10	4	0						
FQ 4900.00		RUSSIAN R, EF, & POTTER VLY PH										F14C1								
04/09/85	5050	3.53	10.0	65	F 7.6	147	21	9.0	--	--	85	--	2.0	--	--	--	94	86		
1215	5050		326	109	18	C 8.0	153	1.05	.66		1.30		.06	--	74	--		21		
09/24/85	5050	3.49	7.6	65.5F	8.1	196	20	7.0	6.0	.7	81	8.0	3.0	.0	.4	--	103	79	0.3	
1115	5050		84	18.6C	8.4	178	1.00	.58	.26	.02	1.62	.17	.08	.00		--	94	0	0.4	
							54	31	14	1		9	4	0						

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TABLE C-2
MINOR ELEMENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

5050 - California Department of Water Resources

Abbreviations

- | | |
|-------------|--|
| TIME | - Pacific Standard Time on a 24-hour clock |
| Disch | - Instantaneous discharge in cubic feet per second (E = Estimated) |
| EC | - Electrical conductance in microsiemens at 25° C |
| TEMP | - Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C) |
| pH | - Measure of acidity or alkalinity of water |
| CHROM (ALL) | - All chromium |
| CHROM (HEX) | - Hexavalent chromium |
| D | - Dissolved |
| T | - Total |
| REM | - Remarks; the code letter "T" means that the total dissolved solids and the calculated sum of the constituents are not within 20 percent of each other. |

TABLE C-2

MINOR ELEMENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAR	DEPTH	DISC EC	TEMP PH	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
D2 1150.30 SAGINAS R A BLANCO RD T09A0												
09/09/85 5050			3 E	23.0C		--	--	--	--	--	--	
1530 5050			1924	7.8	--	--	--	--	--	0.001	0	--
F9 1648.25 BIG SULPHUR C AB SQUIAW C F14R6												
10/03/84 5050				15.0C		--	--	0.00	0.00	0.000	--	
0800 5050			715	7.9	--	0.00	T	0.12	0.00	--	0.00	T
04/02/85 5050				13.0C		--	--	0.00	0.00	0.000	--	
0915 5050			291	8.2	--	0.00	T	0.41	0.03	--	0.01	T
07/10/85 5050				26.0C		--	--	0.01	0.01	0.000	--	
1130 5050			410	8.1	--	0.00	T	0.17	0.01	--	--	
F9 1650.60 BIG SULPHUR C AB EAGLE ROCK F14R6												
10/03/84 5050				17.5C		--	--	0.00	0.00	0.000	--	
1215 5050			411	7.7	--	0.00	T	0.35	0.03	--	0.00	T
04/02/85 5050				17.0C		--	--	0.00	0.00	0.000	--	
1530 5050			260	8.0	--	0.00	T	0.25	0.02	--	0.01	T
07/10/85 5050				27.0C		--	--	0.00	0.01	0.000	--	
1320 5050			540	8.1	--	0.00	T	0.12	0.02	--	0.01	T
07/11/85 5050				27.0C		--	--	0.00	0.01	0.000	--	
1320 5050			540	8.1	--	0.00	T	0.12	0.02	--	--	
F9 1656.50 SULPHUR C, BIG, A GEYSERS RESORT F14R6												
10/03/84 5050				17.5C		--	--	0.00	0.00	0.000	--	
1015 5050			400	7.7	--	0.00	T	0.23	0.04	--	0.00	T
04/02/85 5050				16.0C		--	--	0.00	0.00	0.000	--	
1350 5050			225	8.0	--	0.00	T	0.24	0.02	--	0.01	T
07/10/85 5050				26.0C		--	--	0.01	0.01	0.000	--	
1730 5050			505	8.1	--	0.00	T	0.18	0.04	--	--	

TABLE C-3
MISCELLANEOUS ANALYSES OF SURFACE WATER

Lab and Sampler Agency Codes

2163	- California Department of Water Resources for the State Water Resources Control Board
5050	- California Department of Water Resources

Abbreviations and Constituents

TIME	- Pacific Standard Time on a 24-hour clock
TEMP	- Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
EC	- Electrical conductance in microsiemens at 25° C
DO	- Dissolved oxygen content in milligrams per liter
GH	- Instantaneous gage height in feet above an established datum
pH	- Measure of acidity or alkalinity of water: F = field determination, L = Lab determination
DISCH	- Instantaneous discharge in cubic feet per second (E = estimated)
MBAS	- Methylene blue active substance (a test for detergent surfactants) in milligrams per liter
DEPTH	- Depth, in feet, at which sample was collected
TURB	- Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
T+L	- Tannin and lignin as tannic acid in milligrams per liter
CHLOR	- Field determination of residual chlorine in milligrams per liter
O+G	- Oil and grease in milligrams per liter
COLOR	- True color in color units
SET S	- Settleable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L)
BOD	- Biochemical oxygen demand in milligrams per liter: B = 5 days
SUS S	- Suspended solids in milligrams per liter; 5 = at 105 degrees C
COD	- Chemical oxygen demand in milligrams per liter
V SUS S	- Volatile suspended solids in milligrams per liter
CYANIDE	- Cyanide in milligrams per liter
PHENOLS	- Phenols in milligrams per liter
TOC	- Total organic carbon in milligrams per liter
DOC	- Dissolved organic carbon in milligrams per liter
IODIDE	- Iodide in milligrams per liter
T ODOR	- Threshold odor number at 60 degrees C
BROMIDE	- Bromide in milligrams per liter
SULFITE	- Sulfite in milligrams per liter
T SULF	- Total sulfides in milligrams per liter
D SULF	- Dissolved sulfides in milligrams per liter
CC EXT	- Carbon chloroform extract
CA EXT	- Carbon alcohol extract

TABLE C-3
MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH M ³ /S	DEPTH TUPR	T+L CHLOR	D+G COLOR	SET S ML/L MG/L	ROD SI'S S	COO V SI'S S	CYANTOE PHENOLS	TOC DOC	IODIDE T OODR	AROMTDE SULFITE	T SULF D SULF	CC EXT CA EXT
10/29/84 1030	5050 5050	11.00 13.00 413	12.01 12.5	7.0	SAN LORENZO R A PARADISE PK 25 E					1.5 R		TC5A0					
08/20/85 1117	5050 5050	19.00 369	12.4	8.4						0.8 R							
09/09/85 1235	5050 5050	18.00 388	11.3	8.4	10 E					1.0 R							
10/30/84 0930	5050 5050	14.00 1512 4.31	10.3	8.4	5 E					0.8 R		TC5E0					
08/20/85 0912	5050 5050	19.00 1680 4.01	10.1	8.2						0.4 R							
09/09/85 1055	5050 5050	18.00 1852	12.1	8.4	1 E					0.0 R							
03/12/85 1330	5050 5050	10.50 284 2.36	11.4	8.4	ARROYO SECO R NR SOLEDAD					1.3 R		TC9F0					
02/11/85 1520	5050 5050	10.0 600	8.0	8.0	6 E					0.8 R		TC9K0					
10/30/84 1130	5050 5050	17.00 404	9.7	8.0	30 E					0.8 R		TC9H1					
08/21/85 0933	5050 5050	14.00 355	12.0	8.2	15.0					0.6 R							
09/11/85 0730	5050 5050	12.00 449	8.1	7.6	100 E					2.1 R							
10/30/84 1200	5050 5050	17.00 345	8.7	7.4	50 E					0.6 R		TC9H1					
08/21/85 1021	5050 5050	22.00 281	7.1	7.2	100					0.3 R							
09/11/85 0800	5050 5050	20.00 402	7.5	8.0	300 E					0.9 R							
10/29/84 1330	5050 5050	11.00 310 3.39	11.2	8.0	15 E					0.7 R		TC9C0					
04/10/85 1315	5050 5050	12.50 234 2.98	11.1	7.1	50 E					0.3 R							
10/29/84 1430	5050 5050	13.00 364	10.8	8.4	5 E					1.3 R		TC9D0					
04/10/85 1420	5050 5050	13.00 245	10.7	8.0	40 E					0.3 R							
04/23/85 1300	2163 5050	63 F 7412	8.5	8.0	PETALUMA R RL HWY 101 A RP RR					4.9 R		E06C0					
04/30/85 1215	2163 5050	62 F 664	10.1	8.2	40 E					0.6 R		E05C0					
04/04/85 1010	5050 5050	13.00 160	10.8	7.3	GARCIA R A WINDY HOLLOW RD					0.2 R		F13F4					
04/03/85 1600	5050 5050	54.0F 160	10.1	7.3	ALBION R NR ALBION					0.3 R		F13D0					
10/18/84 1030	2163 5050	54 F 268	10.6	7.6	25 E					0.3 R		F13H5					
08/27/85 1045	2163 5050	19.00 272	8.3	7.3	3 E					1.2 C							
09/26/85 1045	2163 5050	17.20 271	7.8	7.3	3 E					0.8 R							
10/25/84 1015	5050 5050	13.50 271 1.75	10.0	7.4	NAVARRO R NR NAVARRO					0.5 R		F13E0					
04/18/85 0835	5050 5050	12.50 2.65	10.3	7.4						0.0 R							

TABLE C-3 (CONTINUED)

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE	SAMP	TEMP	DD	F-PH	DISCH	DEPTH	T+L	SET S	DO+G	ML/L	ROD	COD	CYANIDE	TOC	IODIDE	BROMIDE	T SULF	CC EXT
TIME	LAR	EC	G.W.	L-PH	NRAS	TURB	CHLOR	COLOR	MG/L		SUS S	V SUS S	PHENOLS	DOC	T ODOR	SULFITE	D SULF	CA EXT
* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *
		FB 2720.00				RIG R NR MENDOCINO						F13CQ						
10/25/84	5050	12.0C	10.3	7.5	9 E	--	--	--	0.2 R	--	--	--	--	--	--	--	--	--
0915	5050	227			--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/85	5050	12.5C	10.6	7.2	30 E	--	--	--	0.8 R	--	--	--	--	--	--	--	--	--
1850	5050				--	--	--	--	--	--	--	--	--	--	--	--	--	--
		FB 3100.00				NCYO R NR FORT BRAGG						F13PQ						
10/25/84	5050	11.5C	10.1	7.3	--	--	--	--	0.5 R	--	--	--	--	--	--	--	--	--
0825	5050	175			--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/17/85	5050	12.5C	10.8	7.2	--	--	--	--	1.2 R	--	--	--	--	--	--	--	--	--
1755	5050				--	--	--	--	1 5	1	--	--	--	--	--	--	--	--

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TABLE C-4
NUTRIENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163	- California Department of Water Resources for the State Water Resources Control Board
5050	- California Department of Water Resources

Abbreviations

TIME	- Pacific Standard Time on a 24-hour clock
GH	- Instantaneous gage height, in feet, above an established datum
Q	- Instantaneous discharge in cubic feet per second
TEMP	- Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
Depth	- Depth, in feet, when measurement was taken
F EC	- Field determination of electrical conductance in microsiemens at 25°C
F PH	- Field determination of acidity or alkalinity
TURB	- Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
F-CO2	- Field determination of carbon dioxide in milligrams per liter
P ALK	- Field determination of alkalinity (Phenol)
T ALK	- Field determination of alkalinity (Total)

(Nitrogen Series as N)

D N02+N03	- Dissolved nitrite and nitrate
D N02	- Dissolved nitrite
D NO3	- Dissolved nitrate
D ORG N	- Dissolved organic nitrogen
T ORG N	- Total organic nitrogen
D NH 3	- Dissolved ammonia
T NH 3	- Total ammonia
T (NH3+ORG N)	- Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04	- Dissolved acid hydrolyzable phosphate
D O-P04	- Dissolved orthophosphate
T O-P04	- Total orthophosphate
D TOT P	- Dissolved total phosphorus
T TOT P	- Total phosphorus

TABLE C-4

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. O	TEMP DEPTH	F EC F PH	TURR F CO2	FIELD	D NO2 NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER						D TDT P T TOT P	REP
						P ALK T ALK			D ORG N T ORG N	D NH3 T NH3	T NH3 ORG N	DIS A.M.P04	D D-P04 T D-P04			
NO 1180.01 SAN LORENZO R A PARADISE PK TC540																
10/29/84	5050		13.0C	413			0.21	--	--	--	--	--	--	--	--	--
1030	5050	25 F		7.0				--	--	--	--	--	--	--	0.15	
03/11/85	5050		10.5C	246			0.25	--	--	--	--	--	0.07	--	--	--
1230	5050	200 F		7.6				--	--	--	--	--	--	--	0.19	
08/20/85	5050		19.0C	369			0.10	--	--	--	--	--	--	--	--	--
1117	5050			8.4				--	--	--	--	--	--	--	0.16	
09/09/85	5050		18.0C	388			0.16	--	--	--	--	--	0.12	--	--	--
1235	5050	10 F		8.4				--	--	--	--	--	--	--	0.20	
NO 1200.00 SAN LORENZO R A BIG TREES TC540																
03/11/85	5050	4.27	11.0C	270			0.25	--	--	--	--	--	0.06	--	--	--
1315	5050			7.8				--	--	--	--	--	--	--	0.19	
09/09/85	5050	2.52	18.0C	399			0.25	--	--	--	--	--	0.14	--	--	--
1300	5050			7.9				--	--	--	--	--	--	--	0.20	
NO 1800.00 SAN LORENZO R NR BOUNDER C E05C0																
03/11/85	5050	2.55	10.0C	361			0.03	--	--	--	--	--	0.07	--	--	--
1400	5050			8.0				--	--	--	--	--	--	--	0.10	
09/09/85	5050	2.30	15.0C	529			0.00	--	--	--	--	--	0.10	--	--	--
1345	5050			8.4				--	--	--	--	--	--	--	0.17	
NO 3100.00 SQUEL C A SQUEL TC443																
03/11/85	5050	2.56	12.0C	462			8.4	--	--	--	--	--	0.06	--	--	--
1500	5050			8.0				--	--	--	--	--	--	--	0.25	
09/09/85	5050	1.58	19.0C	924			0.02	--	--	--	--	--	0.11	--	--	--
1245	5050			8.4				--	--	--	--	--	--	--	0.17	
D1 2450.00 SAN BENITO R NR WILLOW C SCHOOL TC5E0																
10/30/84	5050	4.31	14.0C	1512			0.07	--	--	--	--	--	--	--	--	--
0930	5050	5 F		8.4				--	--	--	--	--	--	--	0.01	
03/11/85	5050		13.0C	1406			0.02	--	--	--	--	--	0.01	--	--	--
1145	5050	10 F		8.5				--	--	--	--	--	--	--	0.05	
08/20/85	5050	4.01	19.0C	1680			0.01	--	--	--	--	--	--	--	--	--
0912	5050			8.2				--	--	--	--	--	--	--	0.01	
09/09/85	5050		18.0C	1852			0.00	--	--	--	--	--	0.06	--	--	--
1055	5050	1 F		8.4				--	--	--	--	--	--	--	0.01	
D2 1110.50 SALINAS R A TWIN BRIDGES TC940																
03/12/85	5050		13.0C	2064			0.24	--	--	--	--	--	0.07	--	--	--
0830	5050	500 F		8.2				--	--	--	--	--	--	--	0.64	
D2 1150.30 SALINAS R A BLANCO RD TC940																
03/12/85	5050		12.0E	1584			2.0	--	--	--	--	--	2.0	--	--	--
0930	5050	25 F		7.6				--	--	--	--	--	--	--	2.6	
09/09/85	5050		23.0C	1924			0.00	--	--	--	--	--	1.3	--	--	--
1530	5050	3 F		7.8				--	--	--	--	--	--	--	3.0	
D2 1160.20 SALINAS R A DAVIS RD TC940																
03/12/85	5050		12.5C	1468			1.4	--	--	--	--	--	4.8	--	--	--
0945	5050	10 F		7.4				--	--	--	--	--	--	--	5.6	
D2 1220.00 SALINAS R NR SPRECKELS TC940																
03/12/85	5050		15.0C	1046			0.87	--	--	--	--	--	4.8	--	--	--
1015	5050	5 F		7.4				--	--	--	--	--	--	--	6.3	
D2 1325.10 SALINAS R NR GONZALES TC940																
03/12/85	5050		13.5C	1052			6.2	--	--	--	--	--	0.00	--	--	--
1430	5050	40 F		8.4				--	--	--	--	--	--	--	0.01	
09/10/85	5050		22.0C	445			0.00	--	--	--	--	--	0.01	--	--	--
1345	5050	50 F		8.4				--	--	--	--	--	--	--	0.04	
D2 1450.00 APROYO SECO R NR SOLEMAN TC9F0																
03/12/85	5050	2.36	10.5C	284			0.01	--	--	--	--	--	0.01	--	--	--
1330	5050			8.4				--	--	--	--	--	--	--	0.01	
09/10/85	5050	1.20	20.5C	970			0.04	--	--	--	--	--	0.06	--	--	--
1300	5050			8.1				--	--	--	--	--	--	--	0.01	
D3 1450.00 SALINAS R A PASO PORLES TC9H1																
03/13/85	5050		18.0C	741			0.30	--	--	--	--	--	0.02	--	--	--
1215	5050	75 F		8.4				--	--	--	--	--	--	--	0.06	
D3 1675.00 SALINAS R AR PILITAS C SANTA MARG TC9H1																
03/13/85	5050		17.0C	614			0.01	--	--	--	--	--	0.01	--	--	--
1315	5050	2 F		8.2				--	--	--	--	--	--	--	0.04	
09/11/85	5050		19.0C	526			0.00	--	--	--	--	--	0.00	--	--	--
0930	5050	1 F		7.7				--	--	--	--	--	--	--	0.02	

NUTRIENT ANALYSES OF SURFACE WATER

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TABLE C-4 (CONTINUED)
NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP L&R	G.H. O	TEMP DEPTH	F EC F PH	THRR F CO2	FIELD P ALK T ALK	N NO2 + N NO3	N NO2 N NO3	CONSTITUENTS IN MILLIGRAMS PER LITER N ORG N T ORG N	N NH3 T NH3	T NH3 + ORG N	OIS A.H.P04	N N-P04 T N-P04	N TOT P T TOT P	REM
FR 2130.00 NAVARRO R NR NAVARRO F13E0															
10/25/84	5050	1.75	13.5C	271	2AF		0.00	--	--	--	--	--	0.01	--	
1015	5050	20		7.4				--	--	--	--	--	--	--	
04/18/85	5050	2.65	12.5C	226	2A		0.01	--	--	--	0.0	--	0.01	--	
0835	5050	126		7.4				--	--	--		--	--	0.02	
FR 2720.00 BIG R NR MENDOCINO F13C0															
10/25/84	5050		12.0C	221	1AF		0.00	--	--	--	--	--	0.01	--	
0915	5050	0 E		7.5				--	--	--	--	--	--	--	
04/17/85	5050		12.5C	180	1A		0.03	--	--	--	0.0	--	0.00	--	
1850	5050	30 E		7.2				--	--	--		--	--	0.03	
FR 3130.00 NOYO R NR FORT BRAGG F13R0															
10/25/84	5050		11.5C	175	2AF		0.00	--	--	--	--	--	0.01	--	
0825	5050	12		7.3				--	--	--	--	--	--	--	
04/17/85	5050		12.5C	139	1A		0.01	--	--	--	0.0	--	0.02	--	
1755	5050	76		7.2				--	--	--		--	--	0.02	
F9 1648.25 BIG SULPHUR C AR SQUAW C F14R6															
10/03/84	5050		15.0C	715	1AF		--	0.05	--	--	--	--	0.01	--	
0830	5050			7.9				8.0	--	--	0.1	--	--	0.02	
11/07/84	5050		11.0C	375	14AF		--	0.10	--	--	--	--	0.00	--	
1030	5050			8.1				2.0	--	--	0.5	--	--	0.01	
12/05/84	5050		11.0C	283	7AF		0.81	--	--	0.43	--	--	0.00	--	
1100	5050			8.1				--	--	--	0.6	--	--	0.02	
01/08/85	5050		8.0C	365	13AF		--	--	--	--	--	--	0.00	--	
0915	5050			7.9				1.8	--	--	0.4	--	--	0.02	
02/05/85	5050		5.0C	420	1AF		--	--	--	--	--	--	0.01	--	
0915	5050			7.9				1.0	--	--	0.7	--	--	0.01	
03/08/85	5050		7.0C	325	6AF		--	--	--	--	--	--	0.00	--	
0935	5050			8.0				0.88	--	--	0.6	--	--	0.01	
04/02/85	5050		13.0C	291	2AF		--	--	--	--	--	--	0.00	--	
0915	5050		0	8.2				0.65	--	--	0.6	--	--	0.02	
05/08/85	5050		13.5C	420	1AF		--	0.08	--	--	--	--	0.00	--	
0900	5050			8.2				2.2	--	--	0.2	--	--	0.01	
04/05/85	5050		17.5C	475	1AF		--	--	--	--	--	--	0.00	--	
0800	5050			8.2				3.4	--	--	0.6	--	--	0.02	
07/10/85	5050		26.0C	610	2AF		--	--	--	--	--	--	0.03	--	
1130	5050			8.1				5.6	--	--	1.3	--	--	0.03	
08/07/85	5050		18.5C	655	1AF		--	--	--	--	--	--	0.00	--	
0800	5050			8.0				5.8	--	--	0.5	--	--	0.01	
09/04/85	5050		21.0C	670	1AF		--	--	--	--	--	--	0.00	--	
1330	5050			8.3				6.0	--	--	0.4	--	--	0.02	
F9 1650.60 BIG SULPHUR C AR EAGLE ROCK F14R6															
10/03/84	5050		17.5C	611	1AF		--	0.31	--	--	--	--	0.01	--	
1215	5050			7.7				5.6	--	--	2.6	--	--	0.05	
11/07/84	5050		11.5C	355	22AF		--	0.08	--	--	--	--	0.01	--	
0930	5050			7.9				1.0	--	--	1.2	--	--	0.04	
12/05/84	5050		11.0C	257	5AF		0.55	--	--	0.68	--	--	0.02	--	
1020	5050			7.7				--	--	--	0.8	--	--	0.02	
01/03/85	5050		10.0C	315	5AF		--	--	--	--	--	--	0.01	--	
1400	5050			8.0				0.86	--	--	1.1	--	--	0.02	
02/05/85	5050		8.0C	378	2AF		--	--	--	--	--	--	0.01	--	
1110	5050			7.9				0.92	--	--	0.8	--	--	0.01	
03/08/85	5050		9.0C	300	10AF		--	--	--	--	--	--	0.00	--	
1040	5050			8.1				0.56	--	--	0.9	--	--	0.02	
04/02/85	5050		17.0C	260	2AF		--	--	--	--	--	--	0.00	--	
1530	5050			8.0				0.32	--	--	0.4	--	--	0.01	
05/08/85	5050		15.5C	380	2AF		--	0.06	--	--	--	--	0.00	--	
1015	5050			8.2				0.89	--	--	1.0	--	--	0.01	
06/05/85	5050		18.5C	430	1AF		--	--	--	--	--	--	0.00	--	
0915	5050			8.2				1.5	--	--	1.4	--	--	0.02	
07/11/85	5050		27.0C	540	1AF		--	--	--	--	--	--	0.01	--	
1320	5050			8.1				3.6	--	--	1.5	--	--	0.02	
08/07/85	5050		21.5C	602	1AF		--	--	--	--	--	--	0.00	--	
0900	5050			7.9				2.4	--	--	0.9	--	--	0.02	
09/04/85	5050		21.0C	610	1AF		--	--	--	--	--	--	0.00	--	
1145	5050			8.0				3.7	--	--	1.7	--	--	0.03	
F9 1656.50 SULPHUR C, BIG A GEYSERS RESORT F14R6															
10/03/84	5050		17.5C	600	1AF		--	0.32	--	--	--	--	0.01	--	
1015	5050			7.7				3.2	--	--	1.1	--	--	0.06	
11/07/84	5050		12.0C	310	16AF		--	0.04	--	--	--	--	0.01	--	
0945	5050			8.0				0.48	--	--	0.8	--	--	0.02	
12/05/84	5050		11.5C	230	5AF		0.29	--	--	0.26	--	--	0.00	--	
1130	5050			7.9				--	--	--	0.3	--	--	0.02	
01/08/85	5050		10.0C	295	5AF		--	--	--	--	--	--	0.01	--	
1200	5050			8.0				0.41	--	--	0.6	--	--	0.02	

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE		SAMP	G.H.	TEMP	F EC	TURB	FIELD	D NO2 +	D NO2	CONSTITUENTS IN MILLIGRAMS PER LITER							D D-PH4	D TOT P	
TIME		LAR	Q	DEPTH	F PH	F CO2	P ALK T ALK	NO3	NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.P04	D D-PH4 T D-PH4	T TOT P	REM			

F9 1656.50 SILPHUR C, RIG, A GEYSERS RESORT F1486 CONTINUED																			
02/05/85	5050			7.5C	340	2AF		--	--	--	--		--	0.01	--				
0945	5050				8.0				0.50	--	--	0.8	--	--	0.01				
03/03/85	5050			8.5C	275	6AF		--	--	--	--		--	0.00	--				
1010	5050				7.8				0.34	--	--	0.4	--	--	0.01				
04/02/85	5050			16.0C	225	1AF		--	--	--	--		--	0.00	--				
1350	5050				8.0				0.20	--	--	0.2	--	--	0.01				
05/08/85	5050			13.0C	360	1AF		--	0.04	--	--		--	0.00	--				
0920	5050				8.2				0.51	--	--	0.4	--	--	0.01				
06/05/85	5050			18.0C	400	1AF		--	--	--	--		--	0.00	--				
0830	5050				8.1				0.82	--	--	0.8	--	--	0.02				
07/10/85	5050			28.0C	505	2AF		--	--	--	--		--	0.02	--				
1230	5050				8.1				1.8	--	--	1.2	--	--	0.03				
08/07/85	5050			21.0C	570	1AF		--	--	--	--		--	0.00	--				
0830	5050				8.0				3.7	--	--	2.1	--	--	0.02				
09/04/85	5050			25.0C	570	1AF		--	--	--	--		--	0.01	--				
1245	5050				8.2				2.8	--	--	0.6	--	--	0.04				

APPENDIX D

GROUND WATER MEASUREMENTS

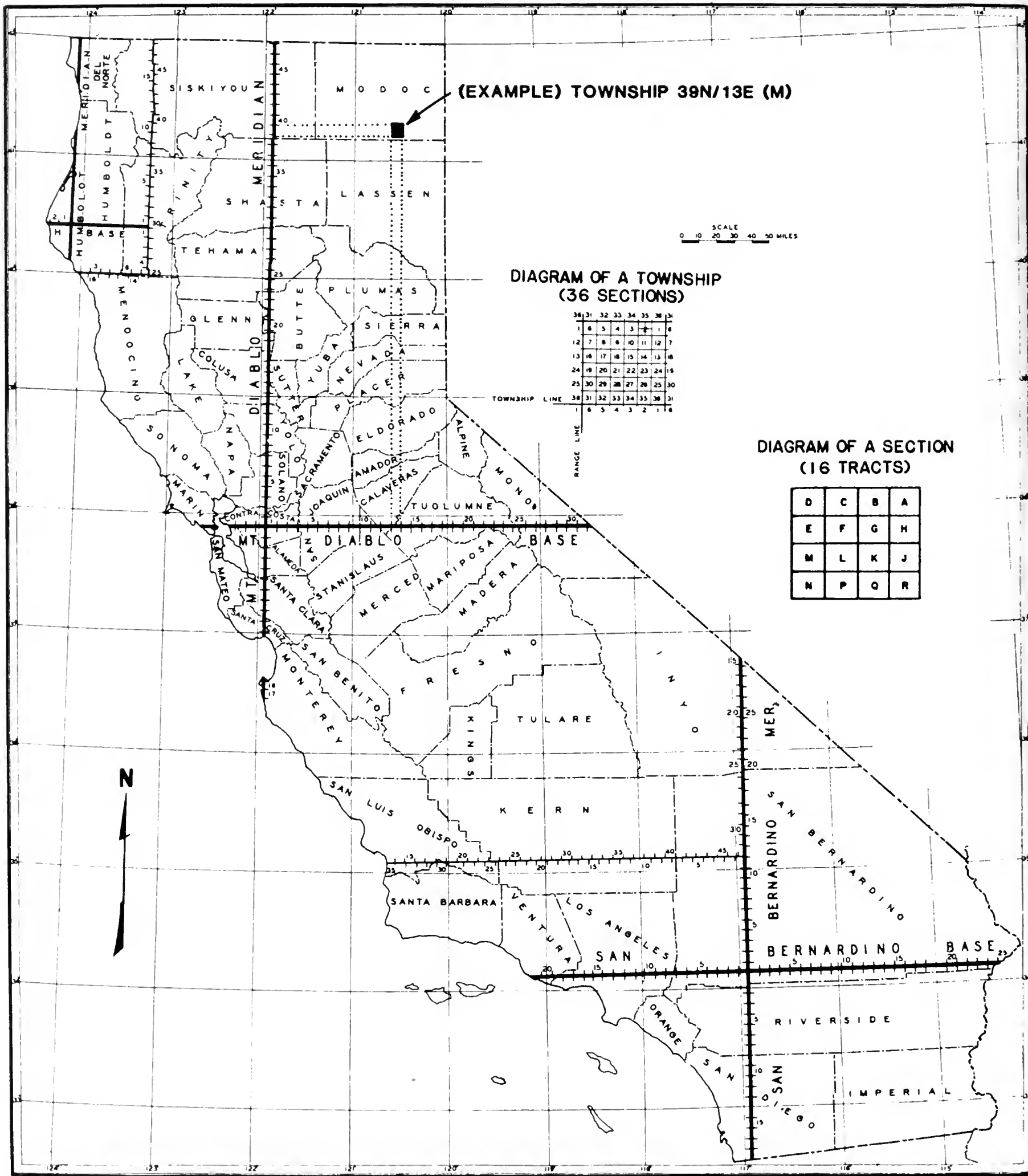


Figure 5. TOWNSHIP AND RANGE SYSTEM OF CALIFORNIA

APPENDIX D

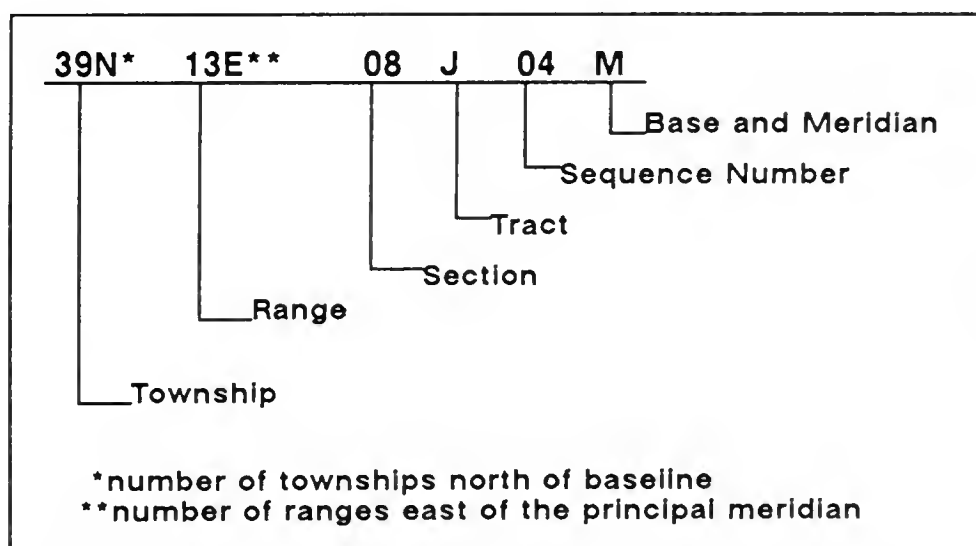
GROUND WATER MEASUREMENTS

Appendix "D" presents depth to water measurements (ground to water) and water surface elevations for selected wells in the Central Coastal Area from October 1, 1984 to September 30, 1985.

The location of a well can be approximated by the well number. The numbering system for wells is based on a rectangular system called the United States System of Surveying the Public Lands, commonly referred to as the Public Lands Survey. This system ties all tracts of land to an initial point and identifies each as being in a particular township. A township is a square parcel of land six miles on each side. Its location is established as being so many six-mile units east or west of a north-south line (*principal meridian*) through the initial point and so many six-mile units north or south of an east-west line (*baseline*) through the point. The meridional (longitudinal) lines parallel to—and east or west of—the principal meridian are called *range lines*. Latitudinal lines parallel—and north or south of—the baseline are known as *township lines*. Each township is described with respect to the initial point by its distance and direction from that point i.e., north or south and east or west in numbers of six-mile units.

Figure 5 presents the township and range system for California, and shows the three bases and meridians: i.e., the Humboldt (H), Mount Diablo (M) and San Bernardino (S). The figure also numbers the townships and ranges along the principal meridians and baselines, and shows the location of, for example, township 39N/13E M. The location of any township in the State can be found by extending the township and range lines as shown.

Every township is further divided into 36 equal parts called sections. A diagram of a typical township with the sections numbered from 1 to 36 is shown on Figure 5. The well numbering system is an extension of the public land survey system and involves dividing each section of land into sixteen 40-acre tracts with each tract given a letter (A through R) to identify it (Figure 5.) Sequence numbers in a tract are assigned in chronological order. A typical well number consists of 12 characters expressed as follows:



In the above example, this is the fourth well to be assigned a number in Tract J, Section 8 of the designated township.

Ground water measurement stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Individual areal code numbers appear to the left of the areal names, and the

data listed thereunder are in that areal code boundary. The number of ground water stations precludes plotting each individual well on maps in this publication. Instead, Figure 6 shows the locations of the ground water basins in which measurements were taken..

To facilitate station location,the cross reference on the following page relates the hydrologic areas to the ground water basins shown on Figure 6 and lists the respective areal code. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers for the tabulated data.

The dates shown in Table D are the dates when the depth measurements were made.

Some of the measurements in the “ground to water” column may be followed by a single digit in parenthesis, which indicates a questionable measurement. The meaning of these codes is as follows:

- | | |
|---------------------------|--|
| (0) Caved or deepened | (5) Air or pressure gage measurement |
| (1) Pumping | (6) Other |
| (2) Nearby pump operating | (7) Recharge operation at or near well |
| (3) Casing leaking or wet | (8) Oil in casing |
| (4) Pumped recently | (9) Acoustic sounder |

When the letters “NM” followed by a digit in parenthesis appears in the column, it means a measurement was attempted but could not be obtained. The reason for no measurement is described by the digit listed below:

- | | |
|-------------------------------|------------------------------|
| (0) Measurement Discontinued | (5) Unable to locate well |
| (1) Pumping | (6) Well has been destroyed |
| (2) Pump house locked | (7) Special |
| (3) Tape hung up | (8) Casing leaking or wet |
| (4) Cannot get tape in casing | (9) Temporarily inaccessible |

The words “FLOW” and “DRY” also appear in this column to indicate a flowing or dry well, respectively. When a minus sign precedes the value, it indicates that the static water level in a flowing well is that distance in feet above the ground surface.

Elevations are given in feet at USGS mean sea level datum. Ground surface elevations are usually obtained by interpolation between contours of USGS topographic maps.

The final column is the code number for the agency supplying the data. Contributing agencies are:

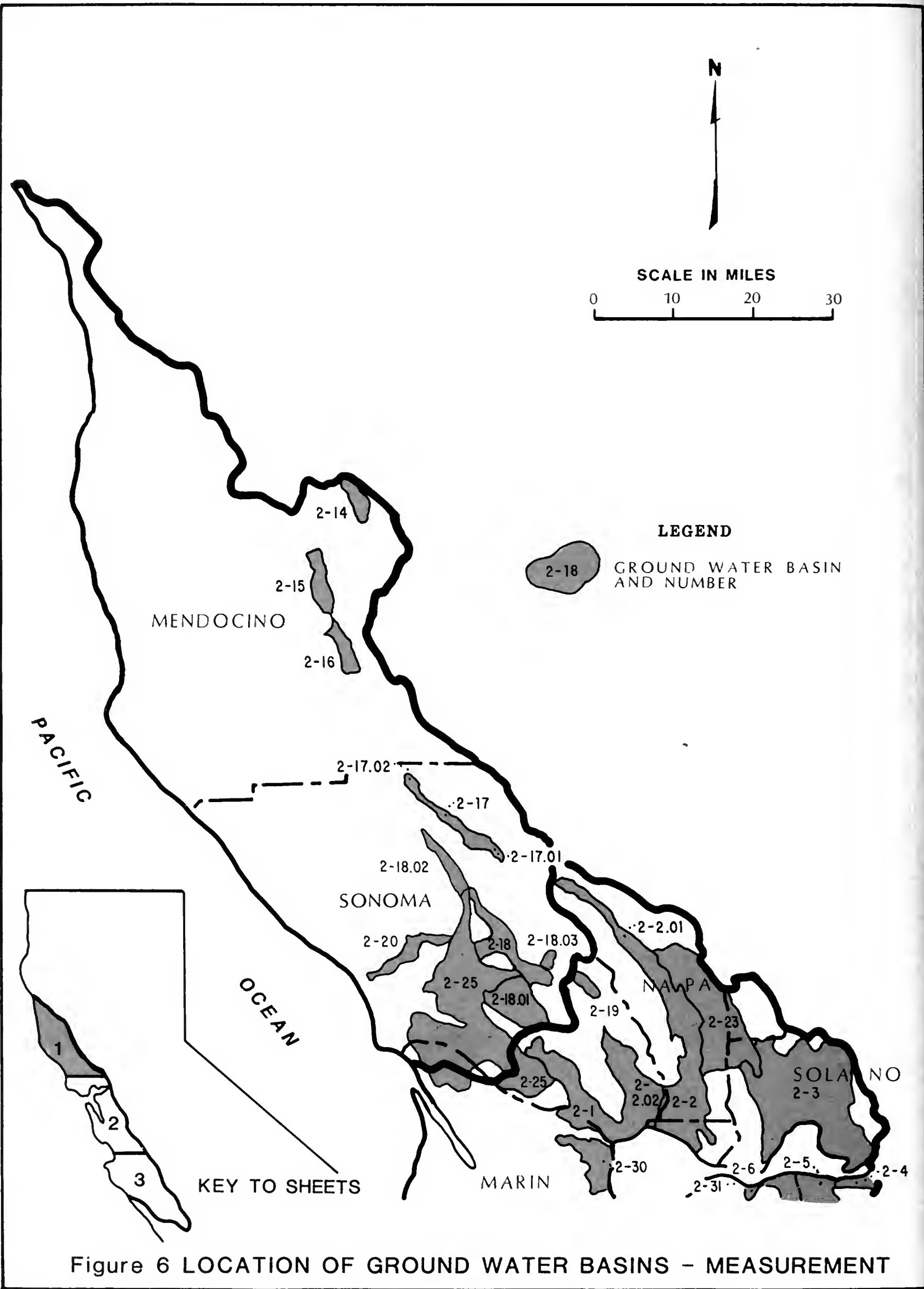
- 1474 – San Benito County
- 2684 – Solano Irrigation District
- 3983 – Napa County Flood Control and Water Conservation District
- 5050 – Department of Water Resources
- 5115 – Monterey County Flood Control and Water Conservation District
- 5117 – San Luis Obispo County Flood Control and Water Conservation District

APPENDIX D CROSS REFERENCE GROUND WATER BASIN—AREAL CODE

Ground Water Basin					Ground Water Basin				
No.	Name	Hydrologic Area*	Areal** Code	Data on page	No.	Name	Hydrologic Area*	Areal** Code	Data on page
		SAN FRANCISCO BAY	HB				CENTRAL COAST	HB	
		SAN MATEO	HU				PAJARO RIVER	HU	
		San Mateo Coastal	HA		3-3	Gilroy-Hollister Valley	Santa Cruz Mts.	HA	T05.B 61
2-36	San Pedro Valley	Pacifica	HSA	E02.B1 55	3-3	Gilroy-Hollister Valley	South Santa Clara Valley	HA	T05.C 61
2-22	Half Moon Bay Terrace	Half Moon Bay	HSA	E02.B2 55	3-22	Santa Ana Valley	Pacheco-Santa Ana Cr	HA	T05.D 61
2-24	San Gregorio Valley	San Gregorio Cr	HA	E02.C 55	3-23	Upper Santa Ana Valley			
	Undefined	Pescadero Creek	HA	E02.D 55	3-24	Quien Sabe Valley			
					3-30	Gilroy-Hollister Valley	San Benito River	HA	T05.E 61
					3-25	Tres Pinos Creek Valley			
2-28	Ross Valley	SAN PABLO	HU		3-28	San Benito River Valley			
2-29	San Rafael Valley	Novato	HA	E06.B 55	3-29	Dry Lake Valley			
2-30	Novato Valley				3-30	Bitter Water Valley			
2-1	Petaluma Valley	Petaluma River	HA	E06.C 55	3-4.09	Langley Area	BOLSA NUEVA	HU	T06 62
2-18.01	Santa Rosa Plain				3-7	Carmel Valley	CARMEL RIVER	HU	T07 62
2-30	Novato Valley								
2-2.02	Sonoma Valley	Sonoma Cr	HA	E06.DB 56					
2-19	Kenwood Valley				3-4	Salinas Valley	SALINAS	HU	
2-2	Napa-Sonoma Valley	Napa River	HA	E06.E 56	3-4	Salinas Valley	Lower Salinas Valley	HA	T09.A 63
2-2.01	Napa Valley				3-4	Salinas Valley	Chular	HA	T09.B 64
2-23	Napa-Sonoma Volcanics Highlands				3-4	Salinas Valley	Soledad	HA	T09.C 64
					3-4	Salinas Valley	Upper Salinas Valley	HA	T09.D 65
2-3	Suisun-Fairfield Valley	SUISUN	HU						
2-23	Napa-Sonoma Volcanics Highlands	Fairfield	HA		3-6	Lockwood Valley	Paso Robles	HA	
2-3	Suisun-Fairfield Valley	Benicia	HSA	E07.B1 57		Undefined	Atascadero	HSA	T09.H1 65
2-23	Napa-Sonoma Volcanics Highlands						Nacimiento Res	HSA	T09.H2 66
2-23	Napa-Sonoma Volcanics Highlands	Suisun Cr	HSA	E07.B2 57					
2-3	Suisun-Fairfield Valley	Suisun Slu	HSA	E07.B3 57					
		Grizzley Island	HSA	E07.B4 58	3-4.06	Paso Robles Basin	Pozo	HA	T09.J 67
							Estrella	HA	T09.K 67
2-4	Pittsburg Plain	Concord	HA						
2-5	Clayton Valley	Pittsburg	HSA	E07.C1 58					
2-6	Ygnacio Valley	Martinez	HSA	E07.C3 58					
2-31	Arroyo del Hambre Valley								
2-18.02	Healdsburg Area	RUSSIAN RIVER	HU						
2-20	Lower Russian R. Valley	Lower Russian River	HA						
		Guerneville	HSA	F14.A1 59					
2-18.01	Santa Rosa Plain	Middle Russian R.	HA						
2-25	Sebastopol Merced Formation Highlands	Laguna	HSA	F14.B1 59					
2-18.03	Rincon Valley	Santa Rosa	HSA	F14-B2 59					
2-18	Santa Rosa Valley	Mark West	HSA	F14.B3 60					
2-17	Alexander Valley	Geyserville	HSA	F14.B3 60					
2-17.01	Alexander Area								
2-17.02	Cloverdale Area								
2-15	Ukiah Valley	Upper Russian River	HA						
2-16	Sanel Valley	Ukiah	HSA	F14.C1 60					
2-14	Potter Valley	Coyote Valley	HSA	F14-C2 60					
2-15	Ukiah Valley	Forsythe Cr	HSA	F14.C3 60					

*See page 2.

**See figure 2.



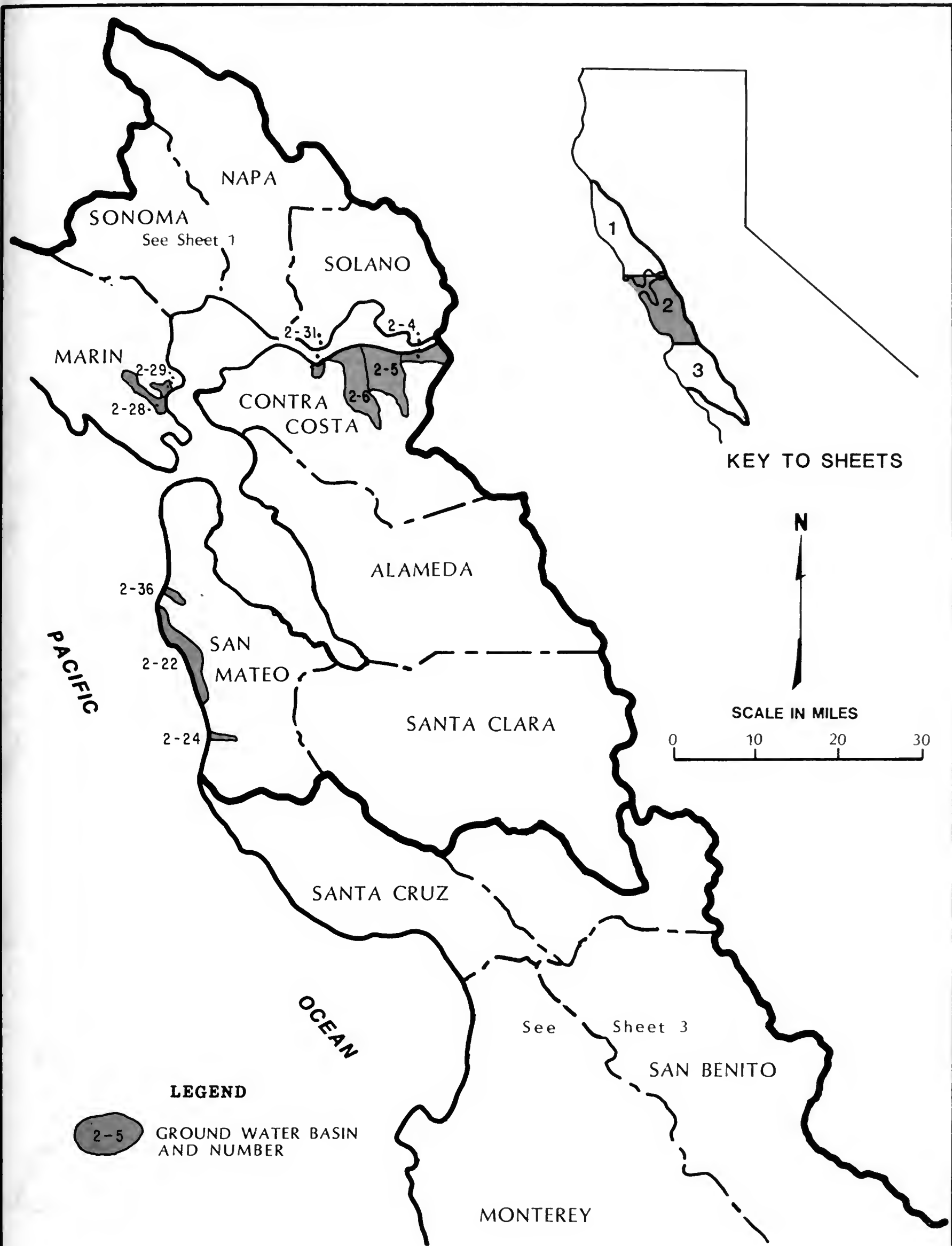


Figure 6 LOCATION OF GROUND WATER BASINS - MEASUREMENT

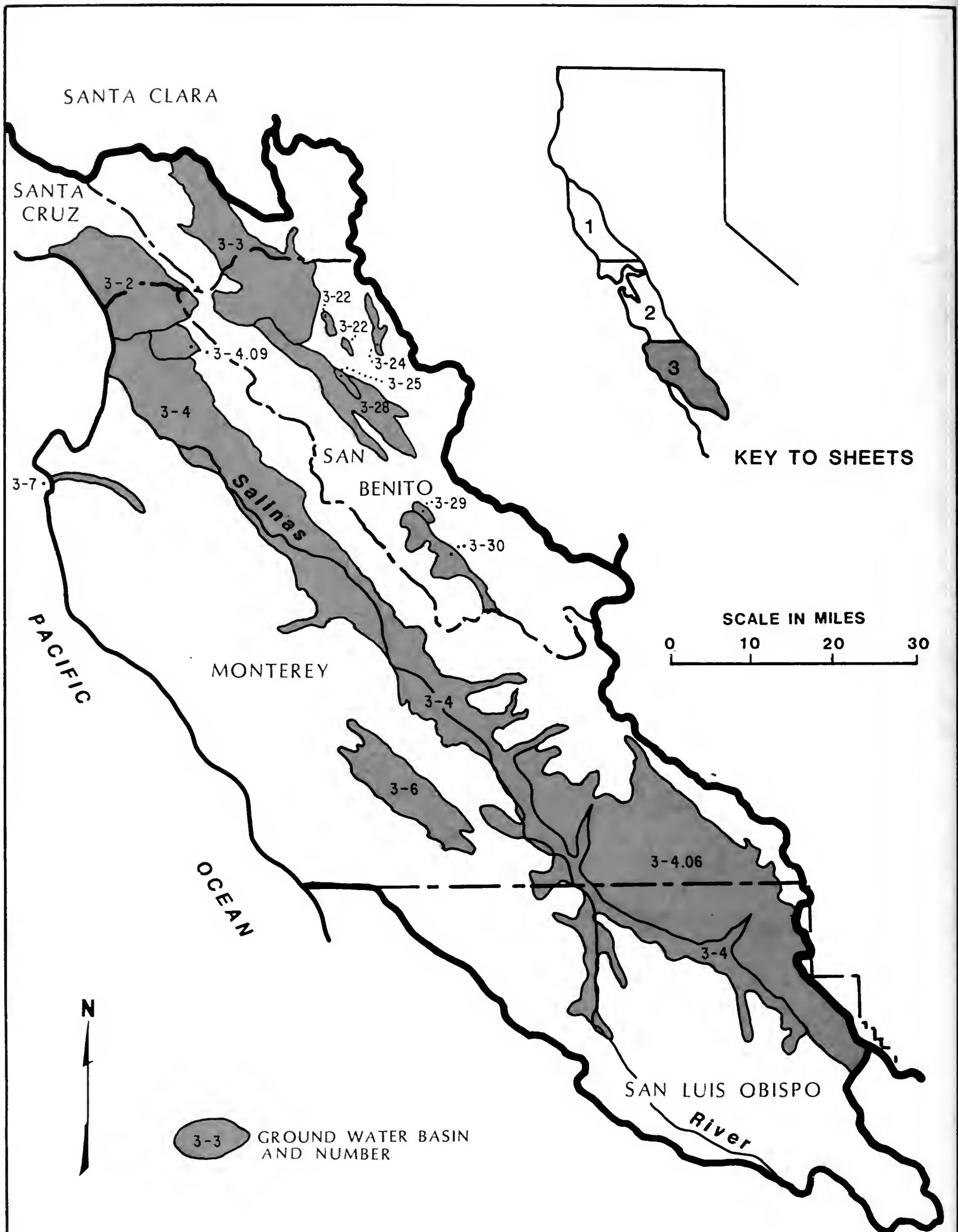


Figure 6 LOCATION OF GROUND WATER BASINS - MEASUREMENT

TABLE D

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E E-02 E-02.A E-02.R1	SAN FRANCISCO RAY HA SAN MATEO HIJ SAN MATEO COASTAL HA PACIFICA HSA					E E-06 E-06.B	SAN FRANCISCO RAY HA SAN PABLO HIJ NOVATO HA				
05S/05W-19H01 M	70.0	10/10/84 03/19/85	44.7 40.9	25.3 29.1	5050	03N/06W-15H01 M	10.0	10/25/84 04/03/85	5.2(1) 2.8	4.8 7.2	5050
05S/05W-19J02 M	50.0	10/10/84 03/19/85	23.6 19.8	26.4 30.2	5050	03N/06W-18H01 M	20.0	10/25/84 04/03/85	6.6 6.4	13.4 13.6	5050
05S/05W-20F01 M	90.0	10/10/84 03/19/85	51.6 47.4	38.4 42.6	5050	E-06.C	PETALUMA RIVER HA				
05S/06W-10J01 M	35.0	10/10/84 03/19/85	16.0 6.9	19.0 28.1	5050	03N/05W-01001 M		10/25/84 04/03/85	FLOW FLOW		5050
E-02.R2	HALF MOON RAY HSA					03N/05W-05A01 M	-0.8	10/25/84 04/03/85	-0.6 -0.9	-0.2 .1	5050
05S/05W-29F04 M	50.0	10/10/84 03/19/85	21.9 11.9	28.1 38.1	5050	03N/06W-11L01 M	1.0	10/25/84 04/03/85	2.4 2.6	-1.4 -1.6	5050
05S/05W-29N01 M	46.5	10/10/84 03/19/85	45.8(2) 30.1	.7 16.4	5050	04N/06W-07A01 M		10/25/84 11/28/84 03/22/85	NM-9 59.1 71.7		5050
05S/05W-29P01 M	65.0	10/10/84 03/19/85	29.2 19.7	35.8 45.2	5050	04N/06W-17G01 M	10.0	10/25/84 02/21/85 03/14/85 04/25/85 05/22/85 06/25/85 07/31/85 08/29/85 09/18/85	8.3 4.3 4.1 5.0 5.5 7.0 7.5 8.5 9.7	1.7 5.7 5.9 5.0 4.5 3.0 2.5 1.5 1.3	5050
05S/05W-32K01 M	90.2	10/10/84 03/19/85	27.6 24.6	62.6 65.6	5050	04N/06W-21A01 M	155.0	10/25/84 04/03/85	45.7 44.5	109.3 109.5	5050
E-02.C	SAN GREGORIO CREEK HA					04N/06W-27R01 M	50.0	10/25/84 04/03/85	11.8 10.0	38.2 40.0	5050
07S/05W-14C01 M	80.0	10/10/84 03/19/85	12.9 NM-9	67.1	5050	04N/06W-36N01 M	18.0	10/25/84 04/03/85	17.6 15.2	.4 2.8	5050
07S/05W-15C01 M	80.0	10/10/84 03/19/85	19.1 15.3	60.9 64.7	5050	05N/07W-07A01 M	65.0	10/17/84 03/27/85	12.5 10.2	52.5 54.8	5050
07S/05W-15E01 M		10/10/84	NM-6		5050	05N/07W-11F01 M	515.0	10/25/84 03/22/85	25.4 14.7	490.6 501.3	5050
07S/05W-15E02 M	32.5	10/10/84 05/19/85	18.1 17.1	14.4 15.4	5050	05N/07W-11N01 M	254.0	10/25/84 03/22/85	18.1 14.9	239.9 243.1	5050
E-02.D	PESCADERO CREEK HA					05N/07W-15K02 M	155.0	10/25/84 03/22/85	2.2 3.2	152.8 151.8	5050
08S/05W-09H01 M	20.0	10/10/84 03/19/85	3.7 3.2	16.3 16.8	5050	05N/07W-15001 M	119.0	10/25/84 03/22/85	24.2 23.0	93.8 95.0	5050
08S/05W-10F01 M	25.0	10/10/84 03/19/85	13.4 11.8	11.6 13.2	5050	05N/07W-18R01 M	72.0	10/24/84 03/22/85	30.7 31.8	48.3 47.2	5050
08S/05W-10H01 M	40.0	10/10/84 03/19/85	8.6 1.2	31.4 38.9	5050	05N/07W-19N01 M	45.0	10/25/84 02/21/85 03/14/85 04/25/85 05/22/85 06/25/85 07/31/85 08/29/85 09/19/85	11.0 7.8 4.0 6.0 10.8 10.6 14.1 12.1 15.1	34.0 37.2 41.0 39.0 34.2 34.4 30.9 32.9 28.9	5050
08S/05W-10K01 M	37.0	10/10/84 03/19/85	18.1 13.2	18.9 23.8	5050	05N/07W-20R02 M	41.0	10/24/84 03/22/85	42.0 37.4	-1.0 3.6	5050
08S/05W-11M01 M	45.0	10/10/84 03/19/85	14.3 14.3	29.7 30.7	5050	05N/07W-21H01 M	65.0	10/24/84 03/22/85	31.2 26.3	33.8 38.7	5050
						05N/07W-26R01 M	53.6	10/25/84 02/21/85 03/14/85 04/25/85 05/22/85 06/25/85 07/31/85 08/29/85 09/19/85	22.8 20.3 20.0 21.2 25.1 26.7 28.7 30.0 29.2	30.8 33.3 33.6 32.4 28.5 26.9 24.9 23.6 24.4	5050
						05N/07W-28K01 M		10/24/84 04/04/85	NM-4 NM-0		5050
						05N/07W-29M01 M	28.0	10/24/84 04/04/85	19.5 16.7	8.5 11.3	5050
						05N/07W-30K14 M	120.0	10/24/84 04/04/85	50.7 37.7	69.3 82.3	5050
						05N/07W-31A07 M		10/24/84 10/25/84	NM-4 NM-0		5050
						05N/07W-31P03 M	180.0	10/24/84 04/04/85	15.0 11.6	165.0 168.4	5050
						05N/07W-31P02 M	135.0	10/24/84 04/04/85	13.7 7.1	121.3 127.9	5050
						05N/07W-33M01 M	30.0	10/24/84 04/03/85	50.5 44.5	-20.5 -14.4	5050
						05N/07W-34L01 M	12.0	10/25/84 04/04/85	12.2 10.2	-0.2 1.8	5050
						05N/07W-35V01 M	18.8	10/25/84	15.6	3.2	5050

TABLE D (CONTINUED)

WDJS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E E-06 E-06.0	SAN FRANCISCO RAY HA SAN PABLO HU Petaluma River HA					E E-06 E-06.0	SAN FRANCISCO RAY HA SAN PABLO HU SONOMA CREEK HA				
05N/07W-35K01 M	19.9	02/21/85 03/14/85 04/25/85 05/22/85 06/25/85	9.7 9.0 9.4 13.1 NM-6	9.1 9.8 9.4 5.7	5050	06N/05W-09001 M	275.0	10/11/84 03/21/85	10.6 7.4	264.4 267.6	5050
05N/07W-36F01 M	19.0	10/25/84 03/22/85	10.2 8.2	8.9 10.8	5050	06N/06W-10M02 M	320.0	10/11/84 03/21/85	34.2 13.1	285.8 306.9	5050
05N/08W-01E02 M	250.0	10/17/84 03/27/85	27.1 25.5	252.9 254.5	5050	06N/06W-22P02 M	200.0	10/11/84 03/21/85	6.8 .8	193.2 199.2	5050
05N/08W-02H01 M	160.0	10/17/84 03/27/85	33.2 27.3	125.8 132.7	5050	06N/06W-23M02 M	215.0	10/11/84 02/21/85 03/15/85 04/23/85 05/22/85 05/24/85 07/31/85 08/27/85 09/18/85	4.8 3.2 2.9 3.2 3.7 3.9 NM-1 6.6 4.6	210.2 211.8 212.1 211.8 211.3 211.1 208.4 210.4	5050
05N/08W-13001 M	40.0	10/24/84 04/04/85	14.6 9.0	25.4 32.0	5050	07N/06W-19N01 M	465.0	10/12/84 03/21/85	16.5 7.9	448.5 457.1	5050
05N/08W-14K02 M	170.0	10/24/84 04/04/85	63.9 62.1	106.1 107.9	5050	07N/06W-32F02 M	399.0	10/12/84 03/21/85	7.8 2.8	391.2 396.2	5050
05N/08W-14P01 M	155.0	11/28/84 04/04/85	26.5 NM-9	138.5	5050	07N/06W-32H01 M	415.0	10/12/84 03/21/85	8.5 -1.5	406.5 416.5	5050
05N/08W-23M01 M	120.0	10/24/84 04/04/85	4.8 7.4	115.2 112.4	5050	07N/07W-24A01 M	565.0	10/12/84 03/21/85	63.5 35.0	501.5 530.0	5050
05N/08W-24F01 M	46.0	10/24/84 04/04/85	8.6 FLOW	37.4	5150	07N/07W-24J01 M	490.0	10/12/84 03/21/85	17.3 7.8	472.7 482.2	5050
05N/07W-31J01 M	153.0	10/19/84 03/27/85	18.6 10.2	114.5 122.8	5050						
E-06.0	SONOMA CREEK HA					E-06.0	NAPA RIVER HA				
04N/05W-02R01 M	50.0	10/11/84 03/21/85	46.2 44.0	3.8 6.0	5050	05N/03W-05M01 M	255.0	10/19/84 05/05/85	111.5 107.5	143.5 147.5	3983
04N/05W-02R02 M	55.0	10/11/84 03/21/85	10.9 NM-6	44.1	5050	05N/04W-11M01 M	13.0	10/05/84 02/21/85 03/13/85 04/25/85 05/22/85 06/24/85 08/05/85 08/23/85 09/18/85	9.4 7.1 7.3 8.3 8.7 9.0 8.9 9.2 9.1	3.6 5.9 5.7 4.7 4.3 4.0 4.1 3.8 3.9	5050
04N/05W-06F01 M	27.0	10/12/84 03/20/85	22.3 19.2	4.7 7.8	5050	05N/04W-13H01 M	132.0	10/19/84 06/05/85	9.0 5.5	124.0 126.5	3983
04N/05W-06M01 M	17.0	10/11/84 03/20/85	15.5 12.2	1.5 4.5	5050	05N/04W-14C01 M	17.0	10/18/84 06/06/85	12.1 10.5	4.9 6.5	3983
04N/05W-23P01 M		10/11/84 03/20/85	FLOW FLOW		5050	05N/03W-21B01 M		10/19/84 06/06/85	NM-7 NM-7		3983
04N/06W-01K01 M	115.0	10/11/84 03/20/85	49.2 NM-9	65.6	5050	06N/04W-06L02 M	40.0	10/10/84 06/06/85	16.3 12.3	63.7 67.7	3983
05N/05W-01P02 M	160.0	10/11/84 03/21/85	74.2 44.3	25.8 55.7	5050	06N/04W-17A01 M	67.0	10/05/84 03/13/85	22.3 11.9	44.7 55.1	5050
05N/05W-17R02 M	38.0	10/11/84 03/21/85	60.9 42.4	27.1 45.4	5050	06N/04W-19R01 M	125.0	10/18/84 06/06/85	45.5(1) NM-1	79.5	3983
05N/05W-17C01 M	85.0	10/11/84 02/21/85 03/15/85 04/25/85 05/22/85 06/24/85 07/31/85 08/27/85 09/18/85	12.2 8.6 8.5 8.7 9.2 9.8 NM-1 11.8 12.1	72.8 76.4 76.5 76.3 75.4 75.2 73.2 72.9	5050	06N/04W-23J01 M	97.0	10/10/84 06/06/85	101.0 101.5	-14.0 -14.5	3983
05N/05W-13R01 M	43.0	10/11/84 03/21/85	13.4 3.2	29.6 39.8	5050	06N/04W-27L02 M	50.0	10/05/84 02/21/85 03/13/85 04/25/85 05/22/85 06/24/85 08/05/85 08/23/85 09/18/85	38.9 22.8 22.8 NM-1 28.3 32.4 54.9(4) 37.9 37.6	11.1 27.2 27.2 21.7 17.6 -4.9 12.1 12.4	5050
05N/05W-24R01 M	11.0	10/11/84 03/20/85 03/21/85	11.4 NM-4 NM-0	-0.4	5050	06N/04W-27N01 M	50.0	10/10/84 06/06/85	34.5 28.0	15.5 22.0	3983
05N/05W-29N01 M	16.0	10/11/84 03/15/85 03/16/85	12.5 NM-4 NM-0	3.5	5050	06N/04W-25G03 M	38.0	10/10/84 06/06/85	42.5 43.0	-4.5 -5.0	3983
05N/05W-20J03 M	16.0	10/11/84 02/21/85 03/15/85 04/25/85 05/22/85 06/24/85 07/31/85 08/27/85 09/18/85	11.4 6.2 6.7 7.6 9.2 15.3 NM-1 16.0 11.2	4.6 9.8 9.3 8.4 6.8 7 6.9 4.8	5050	07N/05W-06J01 M	213.0	10/10/84 06/07/85	45.5 52.5	169.5 162.5	3983
05N/05W-02A02 M	115.0	10/11/84 03/21/85	13.6 10.5	101.4 104.5	5050	07N/05W-09Q02 M	155.0	10/05/84 02/21/85 03/13/85 04/25/85 05/22/85 06/24/85 08/05/85 08/23/85 09/18/85	19.4 10.5 11.0 11.6 12.5 16.5 17.1 17.6 18.7	135.6 144.5 144.0 143.4 142.5 138.5 137.9 137.4 136.3	5050
05N/06W-02N02 M	135.0	10/11/84 02/21/85 03/15/85 04/25/85 05/22/85 06/24/85 07/31/85 08/27/85 09/18/85	63.6 57.3(4) 49.6 73.2(4) 74.4(4) 60.6(4) NM-1 64.3(4) 57.9	71.4 77.7 65.4 61.8 60.5 54.4 50.7 67.1	5050	07N/05W-14R02 M	139.0	10/10/84 06/07/85	34.0(6) 10.5	105.0 128.5	3983
05N/06W-13C01 M	56.0	10/11/84 11/27/84 03/21/85	NM-1 31.6 32.5(4)	34.4 33.5	5050	07N/05W-15A01 M	143.0	10/10/84 06/07/85	19.0 NM-4	125.0	3983
05N/06W-13G01 M	61.0	10/11/84 03/21/85	25.0 19.5	35.0 41.5	5050	07N/05W-15F01 M	141.0	10/10/84 06/07/85	20.5 NM-4	120.5	3983
						07N/05W-15L01 M	171.0	10/10/84	34.2	136.8	3983

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E E-06 E-06.E	SAN FRANCISCO BAY HA SAN PABLO HILL NAPA RIVER HA					E E-07 E-07.A E-07.B1	SAN FRANCISCO BAY HA SUISUN HILL FAIRFIELD HA REINICIA HSA				
07N/05W-16L01 M	171.0	06/07/85	34.2	136.8	3983	04N/03W-01001 M	37.0	10/12/84 03/15/85	5.1 2.8	31.9 34.2	2684
07N/05W-16N02 M	193.0	10/10/84 06/07/85	46.9 11.9	146.1 181.1	3983	04N/03W-12001 M	43.0	10/02/84 03/08/85	17.3 15.9	25.7 27.1	5050
08N/03W-22K04 M	192.0	10/10/84 06/07/85	16.5 11.5	175.5 180.5	3983	E-07.A2	SUISUN CREEK HSA				
08N/06W-06L04 M	335.0	10/10/84 06/07/85	14.0 12.0	321.0 323.0	3983	04N/02W-03L07 M	20.0	10/02/84 03/05/85	13.2(4) 5.9	6.8 14.1	5050
03N/06W-10001 M	270.0	10/12/84 02/21/85 03/13/85 04/25/85 05/22/85 06/24/85 08/05/85 08/23/85 09/14/85	8.2 5.5 5.3 5.6 6.4 7.2 8.1 8.4 9.5	281.8 284.5 284.7 284.4 283.6 282.8 281.9 281.6 281.5	5050	04N/02W-06A01 M	35.0	10/02/84 10/14/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 03/14/85 04/24/85 05/23/85 06/27/85 07/29/85	15.7 15.1 14.3 13.4 14.0(4) 13.3 13.0 14.6 13.4 17.5 12.8 NM-6	19.3 19.9 20.7 21.6 21.0 21.7 22.0 20.4 21.6 17.5 22.2	5050 2684 5050
09N/06W-31001 M	340.0	10/10/84 06/07/85	13.0 7.0	327.0 333.0	4983	05N/02W-08G03 M	142.0	10/15/84 03/16/85	11.5 9.6	131.5 133.4	2684
09N/07W-25N01 M	390.0	10/10/84 06/07/85	18.0 NM-2	362.0	3983	05N/02W-19H04 M	86.0	10/02/84 03/03/85	15.3 14.0	70.7 72.0	5050
						05N/02W-21P03 M	40.0	10/02/84 10/15/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 03/14/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	11.0 11.1 10.4 10.5 10.8 9.0 10.0 10.1 9.5 9.5 9.0 9.3 10.3 10.9	49.0 48.9 49.6 49.5 49.2 50.1 50.0 49.9 50.5 50.5 51.0 50.7 49.7 49.1	5050 2684 5050
						05N/02W-27J01 M	24.0	10/02/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	7.7 9.6(1) 10.0(1) 7.1 7.6 6.3 7.5 7.3 7.6 9.0 9.4 7.6	16.3 14.4 14.0 16.9 16.4 17.7 16.5 16.7 16.4 16.0 14.6 16.4	5050
						05N/02W-27K02 M	29.0	10/02/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	7.2 5.6 5.3 6.8 6.5 5.8 6.5 6.8 6.9 7.0 7.1 7.1	21.8 23.4 23.7 22.2 22.5 23.2 22.5 22.2 22.1 22.0 21.9 21.0	5050
						05N/02W-27L02 M	33.0	10/02/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	8.5 6.6 6.8 7.0 6.8 6.6 7.3 7.8 8.9 8.8 8.4 8.2	24.5 26.4 26.2 26.0 26.2 26.4 25.7 25.2 24.1 24.2 24.6 24.8	5050
						05N/02W-29F01 M	45.0	10/15/84 03/15/85	10.5 12.5	35.5 33.5	2684
						05N/02W-20J01 M	65.0	10/02/84 11/26/84 12/13/84 01/30/85 02/22/85 03/03/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	21.5 20.8 20.6 21.6 20.0 20.3 20.5 17.8 15.5 16.5 17.8 18.7	43.5 44.2 44.4 43.4 45.0 44.7 44.5 47.2 49.5 48.5 47.2 46.3	5050
						E-07.A3	SUISUN SLIT HSA				
						04N/01E-09M01 M	95.0	10/02/84 03/09/85	60.7 60.2	34.3 34.7	5050
						04N/01E-17002 M	38.0	10/03/84	15.4	22.6	5050

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
E E-07 E-07.9 E-07.93 SAN FRANCISCO RAY HS SUTSFIN HJ FAIRFIELD 1A SUTSFIN SID 454											
04N/01E-17002 M	38.0	03/03/85	13.2	24.8	5050						
04N/01E-20F01 M	43.0	10/03/84 03/08/85	19.1 17.9	24.9 25.1	5050						
05N/01E-19P01 M	39.0	10/05/84 03/22/85	7.2 7.0	31.8 32.0	2684						
04N/01W-15N01 M	8.0	10/02/84 03/06/85	5.3 1.9	2.7 5.1	5050						
04N/02W-04B02 M	26.0	10/12/84 03/14/85	11.7 8.9	14.3 17.1	2684						
04N/02W-04F03 M	26.0	10/02/84 03/08/85	4.4 2.0	15.6 14.0	5050						
04N/02W-09401 M	7.0	10/02/84 10/12/84 11/26/84 12/18/84 01/30/85 02/22/85 03/08/85 03/14/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/17/85	1.2 1.2 .2 .2 .4 .3 .3 .3 .5 1.0 1.3 1.3 1.4 1.4	5.8 5.9 6.8 6.7 6.6 6.7 6.7 6.7 6.5 6.0 5.7 5.7 5.6 5.6	5050 2684 5050						
04N/02W-09401 M		10/02/84 03/08/85	FLOW FLOW		5050						
05N/01W-07F01 M	115.0	10/05/84 03/14/85	10.4 11.4	104.6 103.6	2684						
05N/01W-15D01 M	70.0	10/02/84 03/08/85	15.2 14.2	54.8 55.8	5050						
05N/01W-19K01 M	40.0	10/02/84 11/26/84 12/18/84 01/30/85 02/22/85 03/08/85 04/24/85 05/23/85 06/27/85 07/29/85 08/23/85 09/16/85	10.3 9.0 8.0 7.5 6.8 6.6 6.7 6.0 6.0 6.1 6.3 6.4	29.7 31.0 32.0 32.5 33.2 33.4 33.3 32.0 31.0 30.7 30.7 30.6	5050						
05N/01W-25P01 M	25.0	10/05/84 03/22/85	9.2 7.9	15.8 17.1	2684						
05N/01W-29C01 M	20.0	10/02/84 03/08/85	8.1 6.7	11.9 13.3	5050						
05N/01W-33F01 M	18.0	10/02/84 03/08/85	4.8 7.2	9.2 10.8	5050						
E-07.94 051771FY ISLAND HSA											
04N/01W-32G01 M	.0	10/02/84 03/08/85	4.6 1.0	-4.6 -1.0	5050						
E-07.0 E-07.01 CONCORD 1A DUTTSRIDGE HSA											
02N/01E-18D01 M	25.0	10/09/84 03/20/85	10.2 19.3	5.8 5.7	5050						
01N/01W-04H01 M	250.0	10/09/84 03/20/85	50.3 34.6	199.7 215.4	5050						
01N/01W-07K01 M	83.0	10/09/84 03/20/85	12.2 9.7	70.8 73.3	5050						
02N/01W-11H01 M	30.0	10/09/84 03/20/85	29.4 29.3	.6 .7	5050						
02N/01W-30K01 M	109.0	10/09/84 03/20/85	5.6 4.3	102.4 103.7	5050						
02N/01W-31F01 M	95.0	10/09/84 03/20/85	30.6 26.6	64.4 68.4	5050						
02N/01W-31G01 M	125.0	10/09/84 03/20/85	4.5 7.5	119.5 117.5	5050						
02N/02W-25H01 M	64.0	10/09/84 03/20/85	10.7 4.3	53.3 59.7	5050						
02N/02W-34F01 M	49.0	10/09/84 11/19/84 03/20/85	44-1 13.3 14.2		5050						
E-07.03 44PTINF7 HSA											
02N/02W-35D01 M	25.0	10/09/84 03/20/85	9.3 6.9	15.7 18.1	5050						

TABLE D (CONTINUED)

WIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F-14 F-14.1 F-14.11	NORTH COAST HA RUSSIAN RIVER MU LOWER RUSSIAN RIVER HA GILFENEVILLE HSA					F-14 F-14.1 F-14.11	NORTH COAST HA RUSSIAN RIVER MU MIDDLE RUSSIAN RIVER HA LAGUNA HSA				
07N/09W-16M01 M	180.0	10/24/84 03/29/85	29.2 26.1	140.8 153.9	5050	06N/07W-16C01 M	45.0	10/22/84 03/27/85	23.1 15.6	46.9 64.4	5050
07N/09W-34F01 M	192.0	10/24/84 03/29/85	10.8 6.5	171.2 175.5	5050	06N/03W-22F01 M	97.0	11/01/84 03/27/85	116.4 94.2	-26.6 -4.2	5050
06N/10W-29002 M	45.0	10/17/84 04/04/85	5.7 3.3	44.3 46.7	5050	06N/04W-26L01 M	100.0	10/17/84 11/27/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 05/26/85 07/31/85 08/27/85 09/19/85	22.7 14.2 14.2 13.0 11.5 11.1 12.3 15.0 18.7 22.6 22.7 NM-1	77.3 83.8 85.8 87.0 88.5 88.9 87.7 85.0 81.3 77.4 77.3	5050
F-14.1 F-14.11	MIDDLE RUSSIAN RIVER HA LAGUNA HSA										
06N/07W-17C01 M	255.0	10/19/84 03/27/85	62.2 27.6	192.8 227.4	5050	06N/07W-26M01 M		10/19/84	NM-1		5050
06N/07W-14J01 M	195.0	10/19/84 03/27/85	19.5 8.7	165.5 174.3	5050	06N/07W-27M01 M	97.0	10/19/84 03/27/85	47.5 45.0	49.5 72.0	5050
06N/07W-19J01 M	119.0	10/17/84 11/24/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	134.6(4) 79.0 79.3 75.5 71.4 65.5 73.2 91.0 102.6(3) 100.7 NM-1 103.5	-15.4 40.0 59.7 43.6 47.6 53.5 45.4 28.0 16.4 18.3 15.5	5050	06N/07W-26M01 M		10/19/84	NM-1		5050
06N/07W-30C01 M	130.0	10/17/84 03/27/85	124.7 101.0	5.3 29.0	5050	06N/07W-27M01 M	97.0	10/19/84 03/27/85	47.5 45.0	49.5 72.0	5050
06N/07W-30P01 M	175.0	11/01/84 03/27/85	62.0 37.9	113.0 137.1	5050	06N/09W-24D02 M	260.0	10/22/84 03/27/85	38.7 35.5	221.3 224.5	5050
06N/08W-02F01 M	110.0	10/22/84 03/27/85	31.0 5.3	79.0 104.7	5050	07N/07W-25I02 M	142.0	10/23/84 03/27/85	44.1 39.0	97.9 104.0	5050
06N/08W-02F02 M	155.0	10/23/84 03/27/85	16.2 NM-1	91.8 5050	5050	07N/07W-27N02 M	115.0	10/23/84 03/27/85	11.9 3.9	103.1 111.1	5050
06N/08W-04001 M	90.0	10/22/84 03/27/85	10.0 8.0	71.0 82.0	5050	07N/08W-29C01 M	94.0	10/23/84 03/29/85	12.7 4.4	83.3 91.6	5050
06N/08W-07P02 M	95.0	10/17/84 11/26/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	29.2 15.0 13.0 13.7 10.9 14.1 13.0 17.1 21.8 NM-1 23.7 28.4(1)	65.9 79.0 81.1 81.3 84.1 81.5 82.0 77.4 75.2	5050	07N/08W-29M02 M	42.0	10/23/84 03/29/85	13.4 4.0	78.6 88.0	5050
06N/08W-04502 M	82.0	10/22/84 03/27/85	44.1 44.0	33.9 35.0	5050	07N/08W-30K01 M	94.0	10/17/84 11/26/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	24.2 22.8 20.9 18.3 17.3 17.0 20.6 19.1 NM-1 21.0 29.0 26.5	67.8 71.2 73.1 75.7 76.7 77.0 73.4 74.9	5050
06N/08W-09J02 M	88.0	10/24/84 03/27/85	103.1 86.0	-15.1 2.0	5050	07N/08W-35K01 M	127.0	10/23/84 03/27/85	27.9 20.7	99.1 104.3	5050
06N/08W-11P01 M	100.0	10/22/84 03/27/85	26.2 17.2	73.8 82.8	5050	07N/08W-15K01 M	75.0	10/24/84 03/29/85	10.4 9.0	64.6 66.0	5050
06N/08W-11F01 M	95.0	10/22/84 03/27/85	21.7 19.2	77.3 79.8	5050	07N/08W-26P01 M	75.0	10/24/84 03/29/85	24.0 21.8	49.0 53.2	5050
06N/08W-11P01 M	95.0	10/19/84 03/27/85	23.4 12.2	71.6 81.8	5050	07N/08W-35D02 M	135.0	10/17/84 11/26/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	24.2 23.8 NM-1 23.7 23.7 23.2 26.1 24.0 24.8 25.3 26.0 26.1	110.8 111.2 111.3 111.7 111.8 108.9 111.0 110.2 109.7 109.0 108.9	5050
06N/08W-12F01 M	119.0	10/17/84 11/26/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	55.6 54.1 54.8 53.9 50.0 55.0 69.0(6) 55.3 63.5 NM-1 NM-1 64.4	63.4 64.9 64.2 65.1 60.0 63.1 50.0 63.7 59.5	5050	07N/08W-35D04 M	97.0	10/24/84 03/28/85	22.2 21.1	72.8 73.9	5050
06N/08W-12M01 M	48.0	10/19/84 03/27/85	14.3 7.7	79.7 90.3	5050	F-14.12	SANTA ROSA HSA				
06N/08W-15J02 M	95.0	10/17/84 11/26/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	51.2 49.3 46.4 44.2 43.0 41.9 41.1 43.7 47.8 44.4 52.0 51.8	43.3 45.7 49.5 50.8 52.0 53.1 53.9 51.3 47.2 45.9 43.7	5050	06N/07W-03P01 M	525.0	10/23/84 03/23/85	70.3(3) 58.3(3)	454.7 456.7	5050
06N/08W-15R01 M	45.0	10/22/84 03/27/85	84.4 62.8	10.6 32.2	5050	06N/07W-03M01 M	480.0	10/23/84 04/23/85	41.4 39.4	428.5 440.6	5050
06N/08W-16K03 M	90.0	10/22/84 03/27/85	60.4 57.4	29.5 32.5	5050	07N/07W-06M02 M	295.0	10/23/84 03/21/85	31.6 18.3	263.4 278.7	5050
						07N/07W-09P01 M	382.0	10/23/84 03/21/85	68.5 64.0	313.5 318.0	5050
						07N/07W-19A01 M	204.0	10/23/84 03/23/85	13.1 11.7	190.9 192.3	5050
						07N/07W-19F02 M	204.0	10/24/84 03/28/85	12.9 7.6	193.1 198.4	5050
						07N/08W-03L01 M	140.0	10/18/84 03/29/85	16.6 11.4	123.4 128.6	5050
						07N/08W-07D01 M	135.0	10/19/84 03/28/85	33.3 29.5	101.7 105.5	5050
						07N/08W-07P01 M	95.0	10/24/84 03/23/85	13.3 3.0	81.7 92.0	5050
						07N/08W-08M01 M	131.0	10/24/84 03/28/85	51.0 43.5(4)	80.0 87.5	5050

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
F-14 F-14.3 F-14.82	NORTH COAST HR RUSSIAN RIVER HU MIDDLE RUSSIAN RIVER HA SANTA ROSA HSA					F-14 F-14.9 F-14.95	NORTH COAST HR RUSSIAN RIVER HU MIDDLE RUSSIAN RIVER HA KEYSERVILLE HSA				
07N/08W-09N01 M	122.0	10/18/84 03/28/85	21.4 11.2	100.6 110.4	5050	09N/08W-06101 M	193.0	10/16/84 04/02/85	64.6 26.8	128.4 166.2	5050
07N/08W-15F01 M	135.0	10/18/84 03/28/85	22.0 14.7	113.0 120.3	5050	09N/08W-07001 M	150.0	10/16/84 04/02/85	20.1 17.6	139.9 142.4	5050
07N/08W-17K03 M	98.0	10/18/84 03/28/85	15.5 7.7	82.5 90.3	5050	09N/08W-20101 M	165.0	10/16/84 04/02/85	49.2 32.3	115.8 132.7	5050
07N/08W-20001 M	90.0	10/18/84 03/28/85	13.4 5.6	76.6 84.2	5050	09N/08W-01001 M	200.0	10/16/84 04/02/85	35.4 25.2	164.6 174.8	5050
07N/08W-21J01 M	122.0	10/18/84 03/28/85	42.4 31.4	79.6 90.6	5050	09N/08W-01K02 M	170.0	10/16/84 04/02/85	25.3 23.6	144.7 146.4	5050
07N/08W-23H01 M	170.0	10/23/84 03/28/85	20.1 16.1	149.9 153.9	5050	10N/09W-18B01 M	230.0	10/16/84 04/02/85	21.8 16.5	208.2 213.5	5050
07N/08W-24H01 M	190.0	10/23/84 03/28/85	11.5 NM-9	178.5	5050	10N/09W-18N01 M	215.0	10/16/84 04/02/85	13.8 10.7	201.2 204.3	5050
07N/08W-24101 M	179.0	10/23/84 03/28/85	12.1 14.5	167.9 164.5	5050	10N/09W-26L02 M	205.0	10/16/84 04/02/85	15.4 2.0	189.6 203.0	5050
07N/09W-12H01 M	75.0	10/24/84 03/28/85	39.8(4) 30.3(3)	35.2 44.7	5050	10N/09W-33B01 M	175.0	10/16/84 04/02/85	12.5 8.7	165.5 169.3	5050
07N/09W-14H05 M	100.0	10/24/84 03/28/85	39.2 26.5	50.9 73.6	5050	10N/10W-17G01 M	225.0	10/16/84 04/23/85	11.3 9.3(4)	216.7 218.7	5050
F-14.83	MARK WEST HSA					11N/10W-08P01 M	305.0	10/16/84 04/02/85	15.5 12.1	289.5 292.9	5050
07N/09W-01001 M	90.0	10/17/84 03/14/85	21.8 15.8	68.2 74.2	5050	11N/10W-17P02 M	292.0	10/16/84 04/02/85	13.8 10.3	278.2 281.7	5050
07N/09W-02101 M	90.0	10/18/84 03/29/85	37.9 34.0	52.1 56.0	5050	11N/10W-19F02 M	346.0	10/16/84 04/02/85	11.0 4.7	335.0 341.3	5050
09N/08W-20001 M	140.0	10/15/84 04/04/85	43.8 29.9	96.2 114.1	5050	F-14.C F-14.C1	UPPER RUSSIAN RIVER HA PRJAH HSA				
09N/08W-20H01 M	134.0	10/18/84 03/29/85	33.3 12.5	107.7 125.5	5050	13N/11W-18E01 M	490.0	10/16/84 04/02/85	13.5 10.6	476.5 479.4	5050
09N/08W-20005 M	134.0	10/18/84 03/29/85	43.0 30.9	91.0 103.1	5050	14N/12W-05K01 M	590.0	10/16/84 04/02/85	21.6 16.2	568.4 573.8	5050
09N/08W-32H01 M	127.0	10/18/84 03/29/85	24.4 14.9	102.6 112.1	5050	14N/12W-26F02 M	530.0	10/16/84 04/02/85	10.5 6.1	519.5 543.9	5050
09N/08W-12P01 M	110.0	10/18/84 03/29/85	53.9 39.0	56.1 71.0	5050	15N/12W-08L01 M	640.0	10/16/84 04/02/85	24.9 18.4	615.1 621.6	5050
09N/08W-12P02 M	110.0	10/18/84 03/29/85	52.0 37.6	58.0 72.4	5050	15N/12W-34Q01 M	580.0	10/16/84 04/02/85	31.9 14.0	548.1 566.0	5050
09N/08W-13A02 M	120.0	10/17/84 11/28/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	60.0 51.9 47.1 40.9 41.4 42.9 51.1 50.4 61.8 62.6 NM-1 68.2(4)	60.0 68.1 72.9 79.1 78.5 77.1 68.9 69.6 58.2 57.4 NM-1 51.8	5050	16N/12W-15N02 M	630.0	10/16/84 04/02/85	20.0 16.9	660.0 663.1	5050
09N/08W-13A03 M	128.0	10/18/84 03/29/85	81.6 57.5	46.4 70.5	5050	F-14.C2	COYOTE VALLEY HSA				
09N/08W-14L02 M	99.0	10/18/84 03/29/85	15.7 10.4	83.3 88.6	5050	17N/11W-18J01 M	955.0	10/16/84 04/01/85	.8 -4.4	954.2 955.4	5050
09N/08W-15B01 M	195.0	10/18/84 03/29/85	114.2 115.5	80.8 78.5	5050	17N/11W-32J01 M	895.0	10/16/84 04/01/85	2.7 .8	893.0 894.2	5050
09N/08W-22P01 M	90.0	10/26/84 04/04/85	38.7 35.3	51.3 54.7	5050	F-14.C3	FORSYTHE CREEK HSA				
09N/08W-26L01 M	115.0	10/17/84 11/28/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	76.0 70.5 69.7 66.6 65.6 71.0 71.6 68.9 74.3 75.0 74.4 75.0	39.0 44.5 45.8 48.4 49.4 44.0 44.4 46.1 40.7 40.0 36.4 40.0	5050	17N/12W-28M01 M	745.0	10/16/84 04/01/85	17.0 4.5	778.0 790.5	5050
09N/08W-34N01 M	90.0	10/17/84 03/14/85	11.5 4.9	78.5 83.2	5050						
09N/08W-36P01 M	20.0	10/17/84 11/28/84 12/20/84 01/29/85 02/20/85 03/14/85 04/23/85 05/21/85 06/25/85 07/31/85 08/27/85 09/19/85	40.2 35.8 34.1 31.8 30.7 30.0 43.9 48.7 NM-1 NM-1 59.7 57.9	29.8 34.2 35.9 38.2 39.3 40.0 41.1 41.3	5050						

TABLE D (CONTINUED)

WIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T T-05 T-05.A	CENTRAL COAST HR PAJARO RIVER HU SANTA CRUZ MOUNTAINS HA					T T-05 T-05.C	CENTRAL COAST HR PAJARO RIVER HU SOUTH SANTA CLARA VALLEY HA				
12S/04E-17120 M	150.0	03/00/85	25.0	125.0	1474	12S/05E-22901 M	257.7	03/00/85	178.5	79.2	1474
12S/04E-20001 M	152.9	03/00/85	41.5	111.4	1474	12S/05E-23820 M	240.0	03/00/85	174.0	66.0	1474
12S/04E-21401 M	170.0	03/00/85	43.0	127.0	1474	12S/05E-24001 M	260.3	03/00/85	245.0	24.3	1474
12S/05E-30401 M	252.3	03/00/85	73.3	179.0	1474	12S/05E-25002 M		03/00/85	NM-7		1474
T-05.C	SOUTH SANTA CLARA VALLEY HA					12S/05E-27001 M	272.6	03/00/85	53.0	219.6	1474
11S/04E-24002 M	141.0	03/00/85	17.0	124.0	1474	12S/05E-27401 M	274.0	03/00/85	52.0	222.0	1474
11S/04E-25402 M	144.0	03/00/85	23.0	125.0	1474	12S/05E-28001 M	273.2	03/00/85	44.7	224.5	1474
11S/04E-26801 M	145.0	03/00/85	8.7	136.3	1474	12S/05E-28401 M	270.0	03/00/85	21.7	248.3	1474
11S/04E-34401 M	142.0	03/00/85	.3	141.7	1474	12S/05E-30001 M	220.0	03/00/85	43.0	177.0	1474
11S/05E-12401 M	277.4	03/00/85	39.6	237.8	1474	12S/05E-31001 M		03/00/85	NM-7		1474
11S/05E-20401 M	151.1	03/00/85	26.1	125.0	1474	12S/05E-33403 M		03/00/85	NM-7		1474
11S/05E-21402 M	153.0	03/00/85	1.6	151.5	1474	12S/05E-33002 M	257.0	03/00/85	27.0	230.0	1474
11S/05E-23402 M	229.0	03/00/85	23.0	206.0	1474	12S/05E-34001 M	292.2	03/00/85	56.3	235.9	1474
11S/05E-24001 M	260.6	03/00/85	30.7	209.9	1474	12S/05E-35002 M	303.0	03/00/85	97.4	205.6	1474
11S/05E-24401 M		03/00/85	NM-7		1474	12S/05E-35001 M		03/00/85	NM-7		1474
11S/05E-24401 M	233.9	03/00/85	27.3	206.6	1474	12S/05E-36002 M		03/00/85	NM-7		1474
11S/05E-25001 M	246.3	03/00/85	40.0	206.3	1474	12S/06E-06401 M	260.6	03/00/85	38.2	222.4	1474
11S/05E-26002 M	202.0	03/00/85	38.7	163.3	1474	12S/06E-06404 M	249.0	03/00/85	37.0	211.0	1474
11S/05E-26403 M	206.0	03/00/85	49.7	156.3	1474	12S/06E-07001 M	277.6	03/00/85	11.8	266.0	1474
11S/05E-27002 M	245.8	03/00/85	29.4	156.4	1474	12S/06E-18001 M		03/00/85	NM-7		1474
11S/05E-28001 M	145.9	03/00/85	9.3	156.6	1474	12S/05E-19001 M	308.2	03/00/85	24.3	283.9	1474
11S/05E-30401 M	157.7	03/00/85	34.7	123.0	1474	12S/06E-19002 M	261.0	03/00/85	113.1	167.9	1474
11S/05E-31401 M	161.8	03/00/85	62.2	99.6	1474	12S/05E-19401 M	300.0	03/00/85	139.0	161.0	1474
11S/05E-33401 M	171.4	03/00/85	20.5	150.9	1474	13S/04E-01401 M	220.2	03/00/85	32.5	187.7	1474
11S/05E-35001 M	197.4	03/00/85	31.6	165.8	1474	13S/04E-03401 M	200.1	03/00/85	98.2	101.9	1474
11S/05E-35002 M	204.6	03/00/85	52.5	152.1	1474	13S/04E-04403 M	211.5	03/00/85	14.6	196.9	1474
11S/05E-35003 M	202.0	03/00/85	88.1	113.9	1474	13S/05E-02401 M	324.4	03/00/85	65.8	258.6	1474
11S/05E-36001 M	220.6	03/00/85	27.8	192.8	1474	13S/05E-03401 M	311.1	03/00/85	77.5	233.6	1474
11S/05E-36401 M	221.6	03/00/85	66.7	154.9	1474	13S/05E-03401 M	290.0	03/00/85	51.2	228.8	1474
11S/06E-31402 M	297.0	03/00/85	72.5	224.5	1474	13S/05E-04401 M	284.0	03/00/85	44.0	240.0	1474
12S/04E-26001 M	216.2	03/00/85	77.0	139.2	1474	13S/05E-10401 M	304.3	03/00/85	73.0	235.3	1474
12S/04E-28001 M	168.8	03/00/85	50.5	118.3	1474	13S/05E-10401 M	310.0	03/00/85	79.0	231.0	1474
12S/04E-28401 M	181.7	03/00/85	69.4	112.3	1474	13S/05E-11401 M		03/00/85	NM-7		1474
12S/04E-34401 M	198.0	03/00/85	77.8	120.2	1474	13S/05E-11001 M	304.7	03/00/85	19.3	287.4	1474
12S/04E-35401 M	216.7	03/00/85	67.4	149.3	1474	12S/05E-11001 M	325.5	03/00/85	30.6	294.9	1474
12S/04E-35401 M	217.4	03/00/85	70.8	146.6	1474	13S/05E-12003 M	470.0	03/00/85	95.1	374.9	1474
12S/05E-01404 M		03/00/85	NM-7		1474	13S/05E-12401 M	440.0	03/00/85	132.0	308.0	1474
12S/05E-01402 M	227.0	03/00/85	42.0	185.0	1474	13S/05E-12402 M	339.0	03/00/85	11.3	327.7	1474
12S/05E-01403 M	220.0	03/00/85	37.0	183.0	1474	13S/05E-13401 M	349.0	03/00/85	10.0	338.0	1474
12S/05E-02404 M	212.7	03/00/85	55.8	156.9	1474	13S/05E-13401 M	403.0	03/00/85	53.7	349.3	1474
12S/05E-02405 M	213.0	03/00/85	50.5	162.5	1474	13S/05E-13402 M	379.0	03/00/85	25.0	354.0	1474
12S/05E-02402 M	195.8	03/00/85	47.2	148.6	1474	13S/05E-13001 M	359.2	03/00/85	18.0	340.2	1474
12S/05E-03401 M	181.2	03/00/85	37.5	143.7	1474	13S/06E-04401 M		03/00/85	NM-2		1474
12S/05E-06401 M	172.0	03/00/85	91.0	81.0	1474	13S/06E-07002 M	500.0	03/00/85	85.0	415.0	1474
12S/05E-07401 M	205.0	03/00/85	134.5	70.5	1474	T-05.D	PACHECO-SANTA ANA CREEK HA				
12S/05E-09401 M	213.0	03/00/85	84.9	128.1	1474	11S/05E-13001 M	255.7	03/00/85	37.4	218.3	1474
12S/05E-09401 M	206.7	03/00/85	125.9	80.8	1474	T-05.E	SAN JUANITO RIVER HA				
12S/05E-12401 M	238.0	03/00/85	55.0	183.0	1474	13S/06E-19401 M	420.0	03/00/85	.0	420.0	1474
12S/05E-14401 M	231.9	03/00/85	161.4	70.5	1474	13S/06E-19401 M	409.2	03/00/85	27.5	381.7	1474
12S/05E-16402 M		03/00/85	NM-7		1474	13S/06E-20401 M	431.9	03/00/85	9.3	422.6	1474
12S/05E-17001 M	211.0	03/00/85	92.5	118.5	1474						
12S/05E-21001 M	254.7	03/00/85	139.6	119.1	1474						
12S/05E-22001 M	215.9	03/00/85	150.2	65.7	1474						
12S/05E-22402 M	251.0	03/00/85	150.0	101.0	1474						
12S/05E-22401 M	260.3	03/00/85	87.5	172.8	1474						

TABLE D (CONTINUED)

WOIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T T-06	CENTRAL COAST HB ROLSA NUEVA HU						T T-07	CENTRAL COAST HB CARMEL RIVER HU					
13S/02E-27U01 M		45.0	12/18/84	62.4	-17.4	5115	18S/06E-01E01 M		210.0	11/23/84	33.0	177.0	5115
13S/02E-27M01 M		15.0	12/17/84	19.0	-4.0	5115	18S/06E-02M01 M		202.0	12/13/84	34.8	167.2	5115
13S/02E-27P01 M		50.0	12/17/84	65.1	-15.1	5115	18S/06E-03P01 M		189.0	12/06/84	13.0	176.0	5115
							18S/06E-05P02 M		192.0	12/04/84	31.2	160.8	5115
							18S/06E-06M01 M		194.0	12/04/84	26.5	167.5	5115
							18S/06E-07A01 M		195.0	12/04/84	26.6	166.4	5115
							18S/06E-08R01 M		297.0	12/04/84	123.1	173.9	5115
							18S/06E-09M01 M		200.0	12/04/84	31.6	168.4	5115
							18S/06E-09M02 M		201.0	12/04/84	30.5	170.5	5115
							18S/06E-11J01 M		215.0	11/28/84	32.0	183.0	5115
							18S/06E-12A01 M		222.0	11/28/84	39.0	184.0	5115
							18S/06E-12P01 M		225.0	11/28/84	37.0	188.0	5115
							18S/06E-14R01 M		220.0	12/06/84	28.5	191.5	5115

TABLE D (CONTINUED)

MOIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T T-09 T-09.A	CENTRAL COAST HA SALINAS MII LOWER SALINAS VALLEY HA					T T-09 T-09.A	CENTRAL COAST HA SALINAS MII LOWER SALINAS VALLEY HA				
13S/02E-19401 M	20.3	12/18/84	20.8	-0.5	5115	14S/02E-28402 M	23.0	12/20/84	27.0	-4.0	5115
13S/02E-19401 M	13.0	12/12/84	14.6	-1.6	5115	14S/02E-34401 M	31.5	12/20/84	31.3	.2	5115
13S/02E-20401 M	14.0	12/19/84	17.7	-3.7	5115	14S/02E-34401 M	31.4	12/10/84	32.1	-0.7	5115
13S/02E-21401 M	16.7	12/18/84	20.8	-4.1	5115	14S/02E-34403 M	30.0	12/10/84	18.8	11.5	5115
13S/02E-29002 M	14.0	12/12/84	15.7	-2.7	5115	14S/02E-35402 M	28.0	12/20/84	28.3	-0.3	5115
13S/02E-29003 M	9.5	12/12/84	9.2	.3	5115	14S/02E-36401 M	31.0	12/10/84	25.8	5.2	5115
13S/02E-29402 M	18.0	12/12/84	18.3	-0.3	5115	14S/02E-36401 M	35.0	12/10/84	26.6	8.4	5115
13S/02E-29402 M	9.0	12/13/84	10.7	-1.7	5115	14S/03E-19001 M	56.0	12/14/84	53.4	2.6	5115
13S/02E-29401 M	10.0	12/12/84	10.3	-0.3	5115	14S/03E-19002 M	45.0	12/14/84	40.6	4.4	5115
13S/02E-30401 M	15.1	12/13/84	15.4	-0.3	5115	14S/03E-20401 M	38.0	12/19/84	31.3	6.7	5115
13S/02E-30401 M	8.0	12/13/84	6.3	1.7	5115	14S/03E-31401 M	35.0	12/19/84	27.3	8.7	5115
13S/02E-30402 M	9.0	12/12/84	8.4	.6	5115	14S/03E-31402 M	37.0	12/19/84	29.2	7.8	5115
13S/02E-31402 M	9.0	12/13/84	11.8	-2.8	5115	15S/02E-01403 M	35.0	12/19/84	27.1	7.9	5115
13S/02E-31404 M	10.4	12/12/84	12.5	-2.1	5115	15S/02E-01401 M	42.0	12/15/84	33.5	8.5	5115
13S/02E-31402 M	11.0	12/12/84	10.2	.8	5115	15S/02E-02401 M	30.0	12/14/84	32.7	-2.7	5115
13S/02E-31401 M	10.0	12/13/84	10.3	-0.3	5115	15S/02E-02401 M	40.9	12/14/84	35.2	5.7	5115
13S/02E-32402 M	8.5	12/13/84	12.0	-3.5	5115	15S/02E-12401 M	41.0	12/14/84	32.6	8.4	5115
13S/02E-32401 M	8.8	12/19/84	9.9	-1.1	5115	15S/02E-12402 M	41.0	12/14/84	34.0	7.0	5115
13S/02E-32403 M	9.5	12/18/84	11.0	-1.5	5115	15S/03E-04403 M	59.0	12/13/84	43.7	15.3	5115
13S/02E-32403 M	11.0	12/13/84	13.7	-2.7	5115	15S/03E-05404 M	45.0	12/13/84	32.9	13.1	5115
13S/02E-33401 M	24.8	12/12/84	29.5	-4.7	5115	15S/03E-06402 M	33.0	12/19/84	29.0	4.0	5115
13S/02E-35401 M	3.0	12/15/84	12.6	-9.6	5115	15S/03E-06401 M	32.4	12/19/84	30.0	2.4	5115
13S/02E-36401 M	10.0	12/21/84	15.0	-5.0	5115	15S/03E-07401 M	47.5	12/14/84	35.7	11.8	5115
14S/02E-03401 M	10.6	12/12/84	38.1	-27.5	5115	15S/03E-08401 M	48.0	12/10/84	40.1	7.9	5115
14S/02E-03401 M	14.5	12/12/84	11.8	2.5	5115	15S/03E-08403 M	47.4	12/10/84	35.2	12.2	5115
14S/02E-04401 M	15.0	12/12/84	18.2	-3.2	5115	15S/03E-09403 M	53.0	12/19/84	36.7	16.3	5115
14S/02E-05402 M	10.0	12/12/84	13.6	-3.6	5115	15S/03E-13401 M	65.0	11/25/84	44.7	20.3	5115
14S/02E-05404 M	12.9	12/12/84	15.2	-2.3	5115	15S/03E-13401 M	61.0	11/25/84	48.4	12.6	5115
14S/02E-05401 M	15.0	12/12/84	14.1	.9	5115	15S/03E-16403 M	57.0	11/26/84	40.1	16.9	5115
14S/02E-05402 M	14.0	12/12/84	14.6	-0.6	5115	15S/03E-16401 M	59.0	11/26/84	39.1	19.9	5115
14S/02E-06403 M	13.0	12/12/84	12.6	.4	5115	15S/03E-18401 M	44.0	12/10/84	31.9	12.1	5115
14S/02E-07401 M	13.5	12/12/84	13.0	.5	5115	15S/03E-18402 M	42.0	12/10/84	37.1	4.9	5115
14S/02E-08403 M	14.0	12/12/84	14.4	-0.4	5115	15S/03E-18401 M	47.0	12/13/84	32.4	14.6	5115
14S/02E-08402 M	15.0	12/12/84	12.8	2.2	5115	15S/03E-18402 M	55.0	11/30/84 12/10/84	48.3 53.4	6.7 1.6	5115
14S/02E-10401 M	20.0	12/11/84	22.3	-2.3	5115	15S/03E-22401 M	65.2	12/25/84	40.2	25.0	5115
14S/02E-10401 M	23.0	12/11/84	21.9	1.1	5115	15S/03E-25001 M	72.0	12/26/84	42.2	29.8	5115
14S/02E-11401 M	19.0	12/21/84	16.9	1.1	5115	15S/03E-26401 M	62.0	11/26/84	39.2	22.8	5115
14S/02E-12401 M	62.0	12/19/84	62.3	-0.3	5115	15S/03E-28401 M	50.0	11/26/84	36.0	14.0	5115
14S/02E-14401 M	23.3	12/11/84	25.0	-1.7	5115	15S/04E-31402 M	75.0	11/27/84	22.6	52.4	5115
14S/02E-15401 M	24.0	12/21/84	25.1	-1.1	5115	16S/04E-02003 M	135.0	12/11/84	72.8	62.2	5115
14S/02E-15401 M	30.0	12/11/84	22.1	7.9	5115	16S/04E-04001 M	87.0	11/27/84	31.2	55.8	5115
14S/02E-16402 M	21.0	12/21/84	20.8	.2	5115	16S/04E-05402 M	82.0	11/27/84	24.8	57.2	5115
14S/02E-17401 M	18.0	12/21/84	17.9	.1	5115	16S/04E-08401 M	83.0	11/27/84	24.4	58.6	5115
14S/02E-17402 M	18.0	12/21/84	19.7	-1.7	5115	16S/04E-08401 M	85.0	11/27/84	22.2	62.8	5115
14S/02E-18401 M		12/21/84	NM-6		5115	16S/04E-09401 M	99.0	11/27/84	29.8	69.2	5115
14S/02E-21401 M	25.0	12/21/84	25.0	.0	5115	16S/04E-10402 M	98.0	12/17/84	35.9	62.1	5115
14S/02E-21401 M	35.0	12/20/84	26.3	8.7	5115	16S/04E-13401 M	120.0	12/17/84	46.9	73.1	5115
14S/02E-22401 M	24.5	12/11/84	23.5	1.0	5115	16S/04E-13402 M	115.0	12/17/84	33.9	81.1	5115
14S/02E-22401 M	27.6	12/17/84	31.8	-4.2	5115	16S/04E-15401 M	98.0	11/29/84	31.4	66.6	5115
14S/02E-22402 M	27.0	12/11/84	30.4	-3.4	5115	16S/04E-15402 M	100.0	11/29/84	29.0	71.0	5115
14S/02E-23401 M	32.4	12/11/84	32.0	.4	5115	16S/04E-16401 M	104.0	11/29/84	31.5	72.5	5115
14S/02E-24401 M	40.0	12/21/84	37.1	2.9	5115	16S/04E-24001 M	107.0	12/17/84	29.2	77.8	5115
14S/02E-26403 M	30.0	12/11/84	23.5	.5	5115	16S/04E-25401 M	114.0	11/27/84	29.8	84.2	5115
14S/02E-26401 M	29.0	12/11/84	22.1	6.9	5115	16S/04E-25401 M	105.0	11/27/84	29.7	76.3	5115
14S/02E-27402 M	31.2	12/11/84	30.1	1.1	5115						

TABLE D (CONTINUED)

WIDE GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T-09 T-09.A	CENTRAL COAST HA SALINAS HILL LOWER SALINAS VALLEY HA					T-09 T-09.B	CENTRAL COAST HA SALINAS HILL CHULAR HA				
16S/04F-25P01 M	100.0	12/17/84	12.8	87.2	5115	15S/04F-07R02 M	78.0	12/07/84	54.5	23.5	5115
16S/04F-27R02 M	110.0	11/27/84	21.4	88.6	5115	15S/04E-08C01 M	95.3	12/04/84	90.4	4.9	5115
16S/05E-19F01 M	117.0	11/27/84	34.8	82.2	5115	15S/04E-09I01 M	104.6	12/07/84	92.5	11.1	5115
16S/05E-30E01 M	118.0	11/27/84	30.2	87.8	5115	15S/04E-09N01 M	88.0	12/07/84	70.0	18.0	5115
16S/05E-30J02 M	125.0	11/24/84	32.1	92.9	5115	15S/04F-08R01 M	112.8	12/06/84	102.6	10.2	5115
16S/05E-31M01 M	121.0	12/14/84	21.9	99.1	5115	15S/04E-09O01 M	127.0	12/06/84	153.0	-26.0	5115
17S/04E-01D01 M	155.0	11/30/84	54.0	101.0	5115	15S/04F-09J01 M	180.0	12/06/84	189.0	-9.0	5115
T-09.B	CHULAR HA					15S/04E-09M01 M	136.0	12/06/84	139.5	-3.5	5115
13S/02E-36J01 M	15.0	12/21/84	24.9	-9.9	5115	15S/04F-14N01 M	240.0	12/07/84	222.0	18.0	5115
13S/03E-35N01 M	102.0	12/19/84	77.9	114.1	5115	15S/04F-15D02 M	185.0	12/07/84	189.5	-4.5	5115
14S/03E-02F03 M	161.0	12/10/84	55.8	125.2	5115	15S/04E-15P02 M	205.0	12/17/84	365.3	-160.3	5115
14S/03E-03K01 M	167.8	12/10/84	185.0	-17.2	5115	15S/04E-16D01 M	144.5	12/17/84	130.7	13.8	5115
14S/03E-04F01 M	125.6	12/10/84	171.0	-35.4	5115	15S/04E-16E02 M	144.7	12/04/84	129.7	15.0	5115
14S/03E-04N01 M	135.3	12/10/84	147.5	-12.2	5115	15S/04E-17P02 M	95.0	12/04/84	70.7	24.3	5115
14S/03E-04O01 M	141.5	12/10/84	109.0	32.3	5115	15S/04F-19D02 M	70.0	11/27/84	57.2	12.8	5115
14S/03E-05R02 M	120.0	12/10/84	125.6	-5.6	5115	15S/04E-20R02 M	98.0	12/04/84	62.7	35.3	5115
14S/03E-06I01 M	78.0	12/15/84	82.5	-4.5	5115	15S/04E-21F04 M	125.0	12/07/84	101.5	23.5	5115
14S/03E-06L02 M	80.0	12/15/84	87.2	-7.2	5115	15S/04E-21L02 M	142.0	12/11/84	101.0	41.0	5115
14S/03E-06R01 M	91.9	12/10/84	103.4	-11.5	5115	15S/04E-22L02 M	186.0	12/07/84	155.5	30.5	5115
14S/03E-07A01 M	90.5	12/10/84	96.2	-5.7	5115	15S/04E-24N03 M	272.0	12/17/84	236.9	35.1	5115
14S/03E-08C01 M	109.5	12/10/84	135.0	-25.5	5115	15S/04F-27C01 M	189.0	11/30/84	150.0	39.0	5115
14S/03E-09P01 M	114.5	12/14/84	125.0	-11.4	5115	15S/04E-29D01 M	90.0	11/27/84	53.0	37.0	5115
14S/03E-10F03 M	148.6	12/10/84	160.5	-11.9	5115	15S/04E-29Q01 M	80.0	11/27/84	39.7	40.3	5115
14S/03E-10O01 M	142.4	12/10/84	155.5	-13.1	5115	15S/04E-29R01 M	88.0	11/27/84	39.4	48.6	5115
14S/03E-10P02 M	141.4	12/10/84	153.5	-12.1	5115	15S/04E-33A01 M	125.0	11/30/84	87.5	37.5	5115
14S/03E-11H01 M	142.3	12/19/84	51.9	90.4	5115	15S/04F-34I01 M	132.0	12/02/84	84.0	48.0	5115
14S/03E-12E01 M	161.0	12/10/84	41.0	120.0	5115	15S/04E-36H01 M	325.0	12/04/84	280.5	44.5	5115
14S/03E-14C01 M	139.8	12/10/84	160.4	-20.6	5115	15S/04E-36P01 M	255.0	12/02/84	195.5	59.5	5115
14S/03E-14O01 M	117.8	12/21/84	12.8	105.0	5115	15S/04E-36R02 M	248.0	12/02/84	239.6	8.4	5115
14S/03E-14N01 M	102.0	12/11/84	122.0	-20.0	5115	16S/04F-01L01 M	154.0	12/11/84	139.4	14.6	5115
14S/03E-15C01 M	129.5	12/11/84	139.7	-10.2	5115	16S/05E-05N01 M	247.0	12/11/84	199.6	47.4	5115
14S/03E-15H03 M	124.0	12/10/84	139.0	-11.0	5115	16S/05E-07C01 M	193.0	12/11/84	118.3	74.7	5115
14S/03E-16D01 M	106.5	12/14/84	71.4	35.1	5115	16S/05E-17P01 M	145.0	12/11/84	88.5	56.5	5115
14S/03E-16F01 M	100.9	12/14/84	111.2	-10.3	5115	16S/05E-17R01 M	181.0	12/11/84	106.5	74.5	5115
14S/03E-18J01 M	71.0	12/14/84	71.8	-0.8	5115	16S/05E-20R02 M	161.0	12/14/84	82.5	78.5	5115
14S/04E-22A01 M	100.0	12/11/84	123.5	-23.5	5115	16S/05E-20R01 M	173.0	12/14/84	92.2	77.8	5115
14S/03E-24H01 M	156.0	12/14/84	197.3	-41.3	5115	16S/05E-21R01 M	238.0	12/02/84	154.9	83.1	5115
14S/03E-24N01 M	139.1	12/14/84	169.0	-29.9	5115	16S/05E-27O01 M	253.0	12/02/84	171.0	82.0	5115
14S/03E-24P01 M	173.2	12/14/84	206.8	-33.6	5115	16S/05E-28O01 M	165.0	11/27/84	85.9	79.1	5115
14S/03E-25I01 M	125.0	12/19/84	140.2	-15.2	5115	16S/05E-28P01 M	177.0	12/14/84	95.3	81.7	5115
14S/03E-25L02 M	126.0	12/14/84	149.6	-23.6	5115	T-09.C	SOLEDAD HA				
14S/03E-27C02 M	80.0	12/14/84	59.9	20.1	5115	16S/05E-31O01 M	124.0	11/30/84	24.2	99.8	5115
14S/03E-36A01 M	139.8	12/19/84	155.1	-15.3	5115	16S/05E-32R02 M	129.0	11/27/84	33.3	95.7	5115
14S/03E-36P02 M	101.0	12/19/84	95.9	5.1	5115	16S/05E-32C01 M	124.0	11/27/84	33.2	90.8	5115
14S/04E-30N01 M	155.0	12/19/84	181.6	-26.6	5115	16S/05E-32F01 M	122.0	12/14/84	29.3	92.7	5115
14S/04E-30R01 M	158.0	12/19/84	147.2	-30.2	5115	16S/05E-32H02 M	135.0	11/27/84	38.5	96.5	5115
14S/04E-31F01 M	157.0	12/19/84	188.4	-31.4	5115	16S/05E-32M01 M	125.0	11/27/84	28.0	97.0	5115
14S/03E-02O01 M	71.0	12/19/84	49.3	21.7	5115	16S/05E-33O01 M	138.0	11/27/84	38.5	99.5	5115
15S/03E-12E02 M	70.0	12/17/84	65.0	5.0	5115	17S/05E-01O01 M	247.0	12/13/84	160.4	86.6	5115
15S/03E-12F02 M	64.0	12/13/84	28.6	35.4	5115	17S/05E-02N02 M	183.0	11/30/84	64.8	120.1	5115
15S/04E-05C01 M	113.0	12/04/84	135.5	-22.5	5115	17S/05E-02N04 M	165.0	11/30/84	53.5	111.5	5115
15S/04E-05M01 M	101.9	12/04/84	99.0	2.9	5115	17S/05E-03L01 M	153.0	12/14/84	41.2	111.8	5115
15S/04E-06P01 M	92.5	12/04/84	84.3	8.2	5115	17S/05E-04K01 M	140.0	12/03/84	30.7	109.3	5115
15S/04E-07A01 M	87.9	12/04/84	81.8	6.1	5115	17S/05E-04N01 M	122.0	11/20/84	14.5	107.5	5115
15S/04E-07K01 M	81.0	12/07/84	44.0	37.0	5115	17S/05E-04R01 M	137.0	12/03/84	28.6	108.4	5115

TABLE D (CONTINUED)
WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T T-09 T-09.C	CENTRAL COAST HA SALINAS HUI SOLEDAD HA					T T-09 T-09.D	CENTRAL COAST HA SALINAS HUI UPPER SALINAS VALLEY HA				
17S/05E-05G01 M	119.0	12/03/84	13.6	104.4	5115	19S/07E-01N01 M	255.0	11/27/84	23.5	231.5	5115
17S/05E-06G01 M	115.0	12/14/84	10.8	104.2	5115	19S/07E-03H02 M	252.0	11/27/84	28.7	223.3	5115
17S/05E-09G01 M	135.0	12/14/84	16.0	119.0	5115	19S/07E-10P01 M	315.0	12/12/84	81.4	233.6	5115
17S/05E-10G01 M	146.0	12/07/84	23.8	122.2	5115	19S/07E-13D01 M	260.0	11/27/84	28.6	231.4	5115
17S/05E-12F01 M	170.0	12/13/84	59.9	110.2	5115	19S/07E-14N01 M	329.0	12/12/84	92.4	236.6	5115
17S/05E-13F01 M	160.0	12/04/84	34.0	126.0	5115	19S/07E-16D01 M	396.0	12/13/84	166.7	229.3	5115
17S/05E-14D01 M	148.0	12/03/84	23.3	124.7	5115	19S/07E-20G01 M	500.0	12/12/84	279.2	220.8	5115
17S/05E-21A01 M	137.0	12/03/84	9.0	128.0	5115	19S/07E-22D01 M	423.0	12/12/84	174.8	248.2	5115
17S/05E-24G01 M	168.0	12/04/84	28.5	139.5	5115	19S/07E-24H02 M	272.0	11/27/84	23.0	249.0	5115
17S/05E-25I01 M	160.0	12/04/84	22.2	137.8	5115	19S/07E-27A01 M	375.0	11/27/84	15.5	359.5	5115
17S/05E-27A01 M	260.0	12/04/84	119.0	141.0	5115	19S/08E-19K02 M	289.0	11/27/84	24.0	256.0	5115
17S/05E-36F02 M	162.0	12/04/84	21.8	140.2	5115	19S/08E-27N03 M	393.0	12/12/84	102.6	290.4	5115
17S/05E-36J01 M	167.0	11/29/84	16.9	150.1	5115	19S/09E-31R01 M	298.0	11/26/84	38.5	259.5	5115
17S/06E-16N01 M	226.0	11/29/84	96.1	129.9	5115	19S/09E-33J02 M	379.0	12/12/84	96.4	292.6	5115
17S/06E-18G01 M	138.0	11/30/84	76.5	111.5	5115	20S/09E-05C01 M	323.0	11/27/84 12/12/84	59.4 25.6	263.6 297.4	5115
17S/06E-19D01 M	170.0	11/30/84	32.5	137.5	5115	20S/09E-05P03 M	337.0	11/27/84	64.5	272.5	5115
17S/06E-20F02 M	173.0	11/29/84	25.0	148.0	5115	20S/09E-06K01 M	314.0	11/27/84	48.5	255.5	5115
17S/06E-21N01 M		11/29/84	NM-4		5115	20S/09E-07F01 M	291.0	11/27/84	22.0	269.0	5115
17S/06E-27E03 M	236.0	11/28/84	81.5	154.5	5115	20S/09E-09M01 M	302.0	11/27/84	33.7	268.3	5115
17S/06E-27K01 M	240.0	11/28/84	78.5	161.5	5115	20S/09E-14K01 M	330.0	12/12/84	61.0	269.0	5115
17S/06E-28R01 M	205.0	11/29/84	52.0	153.0	5115	20S/09E-16C01 M	310.0	12/12/84	26.2	283.8	5115
17S/06E-28K01 M	190.0	11/29/84	32.0	158.0	5115	20S/09E-25O01 M	335.0	12/12/84	22.0	313.0	5115
17S/06E-29G01 M	177.5	12/04/84	28.1	149.4	5115	20S/09E-34G01 M	456.0	12/12/84	37.9	418.2	5115
17S/06E-29K01 M	180.0	11/30/84	29.0	151.0	5115	20S/09E-32J01 M	485.0	12/12/84	211.2	273.8	5115
17S/06E-27D01 M	166.0	11/30/84	13.5	152.5	5115	21S/09E-16R01 M	475.0	11/30/84	17.0	388.0	5115
17S/06E-30F01 M	175.0	11/30/84	37.5	137.5	5115	21S/09E-17O01 M	450.0	11/30/84	107.5	342.5	5115
17S/06E-34F01 M	180.0	11/29/84	13.5	166.5	5115	21S/09E-23G01 M	384.0	11/30/84	23.4	362.6	5115
17S/06E-35F01 M	227.0	12/13/84	62.6	164.4	5115	21S/09E-24L01 M	347.0	11/20/84	32.2	364.1	5115
17S/06E-35J01 M	192.0	11/29/84	15.5	176.5	5115	21S/10E-30P01 M	430.0	11/30/84	55.0	374.1	5115
18S/06E-14P01 M	231.0	12/06/84	35.0	196.0	5115	21S/10E-32N01 M	400.0	11/30/84	21.8	378.2	5115
18S/06E-15F01 M	215.0	12/05/84	30.2	184.8	5115	22S/10E-09P01 M	463.0	11/30/84	67.7	395.3	5115
18S/06E-15M01 M	277.0	12/05/84	92.8	184.2	5115	22S/10E-16K01 M	472.0	11/30/84	75.0	397.0	5115
18S/06E-16L01 M	305.0	12/13/84	129.2	175.8	5115	22S/10E-15P01 M	425.0	11/20/84	24.0	401.0	5115
18S/06E-25F01 M	255.0	12/06/84	55.1	199.9	5115	22S/10E-21R01 M	421.0	11/30/84	12.9	408.1	5115
18S/06E-27A01 M	250.0	12/05/84	51.0	199.0	5115	22S/10E-22D02 M	465.0	11/30/84	62.2	403.8	5115
18S/06E-27C01 M	339.0	12/13/84	155.3	183.7	5115	22S/10E-34G01 M	475.0	11/20/84	57.9	418.1	5115
18S/06E-34A01 M	345.0	12/05/84	68.6	276.4	5115						
18S/06E-34P01 M	345.0	12/05/84	142.3	202.7	5115	T-09.H PASO ROBLES HSA					
18S/07E-16P01 M	226.0	11/29/84	21.8	204.2	5115	27S/15E-19M01 M	1260.0	10/22/84 04/23/85	187.7 171.3	1072.3 1088.7	5117
18S/07E-17D01 M	201.0	11/28/84	12.0	189.0	5115	28S/16E-15D01 M	1403.5	10/25/84 04/23/85	154.7 159.0	1248.8 1243.6	5117
18S/07E-19G02 M	210.0	11/28/84	31.5	178.5	5115	29S/16E-15F02 M	1343.0	04/24/85	29.6	1353.4	5117
18S/07E-23K01 M	240.0	11/28/84	33.0	207.0	5115						
18S/07E-29P01 M	270.0	11/28/84	34.0	236.0	5115	T-09.H1 ATASCADERO HSA					
19S/07E-34P02 M	245.0	11/28/84	21.0	224.0	5115	24S/11E-25N01 M	603.3	10/13/84	35.7	567.6	5117
19S/06E-01H01 M	319.0	12/06/84	105.0	214.0	5115	24S/11E-33R01 M	565.0	10/18/84	32.0	533.0	5117
19S/06E-23E02 M	395.0	12/05/84	195.6	199.4	5115	24S/11E-35O01 M	570.6	10/18/84	33.1	537.5	5117
19S/06E-11C01 M	375.0	12/13/84	178.6	196.4	5115	24S/11E-35J01 M	615.8	10/15/84	60.0	556.8	5117
19S/06E-12F01 M	351.0	12/13/84	140.7	210.3	5115	24S/12E-23G01 M	1160.0	10/15/84 04/29/85	88.5 88.3	1071.5 1071.7	5117
19S/07E-04O01 M	257.0	11/27/84	30.3	226.7	5115	25S/11E-09M01 M	600.0	10/15/84	54.1	545.9	5117
19S/07E-05R02 M	259.0	11/27/84	43.6	215.4	5115	25S/11E-35F01 M	890.0	10/12/84 05/02/85	38.5 39.7	841.5 840.3	5117
19S/07E-05J01 M	268.0	11/29/84	49.8	218.2	5115	25S/12E-08G01 M	585.0	10/15/84	36.4	548.6	5117
19S/07E-06P01 M	299.0	12/07/84	90.8	208.2	5115	25S/12E-08R02 M	590.0	10/15/84	20.2	569.8	5117
19S/07E-08D01 M	292.0	11/29/84	73.2	218.8	5115	25S/12E-16D01 M	605.0	10/15/84	44.3	560.7	5117
19S/07E-08A01 M	357.0	12/13/84	134.5	222.5	5115	25S/12E-17R01 M	540.0	10/15/84	67.9	572.1	5117

TABLE D (CONTINUED)

WIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T-09 T-09.H T-09.H1	CENTRAL COAST HA SALINAS HI PASO BORLES HA ATASCADERO HSA					T-09 T-09.H T-09.H1	CENTRAL COAST HA SALINAS HI PASO BORLES HA ATASCADERO HSA				
255/12E-20002 M	630.0	10/15/84	75.6	604.2	5117	275/14E-29601 M	1200.0	10/23/84 04/24/85	158.6 139.6	1041.4 1060.4	5117
265/12E-04401 M	675.0	10/12/84 05/01/85	40.5 43.1	628.5 631.9	5117	285/12E-03801 M	860.0	10/10/84 04/23/85 09/30/85	91.0 69.5 94.4	768.1 791.5 765.6	5117
265/12E-06802 M	630.0	10/12/84 05/02/85	26.7 20.1	653.3 659.9	5117	285/12E-04002 M	792.0	10/17/84	29.2	762.8	5117
265/12E-07802 M	867.0	10/24/84 05/02/85	32.9 25.5	834.1 841.5	5117	285/12E-05801 M	770.0	10/05/84 04/15/85 09/30/85	7.9 4.1 9.5	762.1 765.9 760.5	5117
265/12E-09402 M	668.0	10/15/84	15.1	642.9	5117	285/12E-05802 M	760.0	10/05/84 04/15/85 09/30/85	15.0 10.4 18.2	765.0 769.6 763.8	5117
265/12E-11001 M	741.0	05/01/85	164.0	597.0	5117	285/12E-10801 M	815.0	10/17/84 07/10/85	31.7 30.2	784.3 785.8	5117
265/12E-14001 M	785.0	10/12/84	176.8	608.2	5117	285/12E-13002 M	967.0	10/05/84 04/10/85	107.9 104.7	852.1 855.3	5117
265/12E-15801 M	770.0	10/15/84 05/01/85	31.4 118.0	738.6 652.0	5117	285/12E-14803 M	824.0	10/05/84 04/10/85 09/30/85	23.0 15.4 25.9	805.0 812.6 802.1	5117
265/12E-21001 M	660.0	10/10/84	13.5	646.5	5117	285/12E-14804 M	840.0	10/05/84 04/10/85 09/30/85	27.2 18.9 30.5	812.8 821.1 809.4	5117
265/12E-22802 M	820.0	10/10/84	173.0	647.0	5117	285/12E-14802 M	840.0	04/10/85 09/30/85	18.4 19.8	821.6 820.2	5117
265/12E-26801 M	829.0	10/10/84 05/01/85	193.6 185.5	639.4 643.5	5117	285/12E-24002 M	841.7	10/05/84 04/10/85	14.5 5.8	847.2 855.9	5117
265/12E-26801 M	840.0	10/10/84	186.8	653.2	5117	285/12E-24801 M	877.0	10/02/84 04/10/85 09/30/85	15.9 13.9 18.1	861.1 863.1 858.9	5117
265/12E-26807 M	834.0	10/10/84 05/01/85	162.7 160.1	671.3 673.9	5117	285/13E-04801 M	1190.5	10/23/84 04/24/85	33.1 14.3	1166.4 1185.2	5117
265/13E-07803 M	799.0	10/12/84 05/01/85	121.0 112.6	678.0 685.4	5117	285/13E-04802 M	1190.5	10/23/84	62.6	1132.4	5117
265/13E-29807 M	979.5	10/05/84 04/26/85	225.7 233.2	753.8 746.4	5117	285/13E-13801 M	1180.0	10/23/84	4.2	1175.8	5117
265/13E-30801 M	934.0	10/12/84 10/18/84 05/01/85	222.7 207.5 223.1	711.3 725.5 710.9	5117	285/13E-14801 M	1180.0	10/23/84 04/24/85	9.8 12.1	1180.2 1177.9	5117
265/13E-34801 M	1005.0	10/14/84 04/26/85	208.5 204.5	796.5 800.5	5117	285/13E-31801 M	921.0	10/02/84 04/10/85 09/30/85	64.4 57.6 66.5	856.6 863.4 854.5	5117
275/12E-02801 M	785.0	10/15/84 04/30/85	123.4 114.8	661.6 670.2	5117	285/13E-31802 M	985.0	10/02/84 04/10/85 09/30/85	72.1 64.2 76.5	812.9 820.8 808.5	5117
275/12E-04804 M	700.0	10/15/84 04/30/85	19.6 15.8	680.4 664.2	5117	285/13E-31802 M	892.7	10/02/84 04/07/85 09/30/85	17.4 17.5 18.2	876.3 881.2 875.5	5117
275/12E-09802 M	940.0	10/17/84	24.0	916.0	5117	285/13E-32805 M	888.5	10/02/84 04/09/85	14.4 13.8	874.1 874.7	5117
275/12E-14801 M	720.0	10/10/84 04/30/85	11.4 7.5	708.6 712.2	5117	285/14E-13801 M	1190.0	10/23/84 04/24/85	14.4 2.0	1175.6 1188.0	5117
275/12E-21801 M	745.0	10/14/84 04/22/85 09/30/85	13.8 11.3 14.4	731.2 735.7 730.6	5117	285/13E-05803 M	914.1	10/02/84 04/09/85	21.3 19.3	894.8 896.8	5117
275/12E-21801 M	740.0	10/14/84 04/22/85 09/30/85	12.6 10.7 13.4	727.4 729.3 726.6	5117	285/13E-05802 M	928.5	10/02/84 04/09/85 09/30/85	14.1 17.6 18.7	912.4 915.9 909.8	5117
275/12E-21804 M	750.0	10/05/84 04/30/85	7.8 4.4	742.2 745.6	5117	285/13E-08801 M	950.0	10/02/84 04/09/85 09/30/85	14.3 11.7 20.9	933.7 938.3 929.1	5117
275/12E-21805 M	737.0	10/05/84	9.5	727.5	5117	285/13E-08801 M	745.0	10/05/84 04/09/85 09/30/85	0.0 5.9 9.6	935.1 939.1 935.4	5117
275/12E-22801 M	850.0	10/10/84 09/30/85	64.8 36.7	785.2 763.3	5117	285/12E-08805 M	1002.5	10/02/84 04/09/85 09/30/85	41.5 13.5 11.2	961.1 989.1 991.3	5117
275/12E-29801 M	848.5	10/05/84 04/11/85 09/30/85	51.0 45.7 43.2	787.5 792.4 790.3	5117	285/13E-14801 M	1002.0	10/02/84	16.1	985.9	5117
275/12E-29804 M	750.0	10/05/84 04/11/85	10.7 8.9	739.3 741.1	5117	285/14E-04801 M	1387.0	04/24/85	29.8	1357.2	5117
275/12E-32807 M	758.5	10/05/84	10.0	748.5	5117	285/14E-04802 M	1387.0	04/24/85	28.2	1358.8	5117
275/12E-32804 M	810.0	10/05/84 04/11/85 09/30/85	9.5 5.8 5.7	800.5 804.2 804.3	5117	285/14E-04801 M	1410.0	04/24/85	40.6	1369.4	5117
275/12E-33801 M	700.0	04/22/85	124.5	775.5	5117	285/14E-04802 M	1417.0	04/24/85	38.7	1371.3	5117
275/12E-33801 M	560.0	04/22/85	132.2	727.8	5117	285/14E-05801 M	1379.0	04/24/85	27.2	1350.8	5117
275/13E-09801 M	885.0	10/23/84 04/24/85	.0 .0	885.0 885.0	5117	T-09.H2	NACIMIENTO RESERVOIR HSA				
275/13E-09801 M	900.0	10/23/84 04/24/85	24.0 17.0	876.0 881.0	5117	255/12E-28801 M	639.0	10/16/84	22.7	616.3	5117
275/13E-22801 M	1043.0	10/23/84 04/24/85	104.1 106.7	938.9 936.3	5117	255/12E-29801 M	695.0	10/12/84	140.9	554.1	5117
275/13E-23802 M	1040.0	04/24/85	102.8	937.2	5117	255/12E-22801 M	690.0	10/12/84 05/02/85	71.0 63.7	609.0 616.3	5117
275/13E-27802 M	1054.5	10/23/84	144.7	909.8	5117						
275/13E-28801 M	1072.0	10/23/84 04/24/85	159.9 131.4	912.1 940.6	5117						
275/13E-33801 M	1180.0	10/23/84 04/24/85	127.1 132.0	1052.9 1048.9	5117						
275/13E-36801 M	1098.5	10/23/84	25.9	1072.6	5117						

TABLE D (CONTINUED)

WDIS GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY	STATE WELL NUMBER	CO	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
T T-09 T-09AJ	CENTRAL SALINAS P070 HA	COASTAL HU	HB				T T-09 T-09.K	CENTRAL SALINAS ESTRELLA HA	COAST HU				
30S/15E-21C01	M	1445.0	10/26/84 04/24/85	13.4 11.2	1451.6 1453.8	5117	27S/15E-35F01	M	1220.0	10/25/84 04/23/85	50.5 40.6	1179.5 1189.4	5117
30S/15E-21D01	M	1450.0	10/26/84 04/24/85	12.0 11.1	1438.0 1439.0	5117	27S/16E-07P01	F	1224.5	10/25/84 04/23/85	64.9 65.9	1159.6 1158.6	5117
T-09.K	ESTRELLA HA						27S/16E-21E01	M	1260.0	10/25/84 04/23/85	66.4 63.1	1193.6 1196.9	5117
24S/15E-17F01	M	1320.0	10/24/84	71.5	1248.5	5117	28S/15E-24E02	F	1338.5	04/23/85	51.0	1287.5	5117
24S/15E-17F02	M	1310.0	10/24/84	73.2	1236.8	5117	28S/16E-14G01	M	1440.0	10/25/84	214.8	1225.2	5117
24S/15E-27L01	M	1211.5	10/24/84	24.8	1186.7	5117	28S/16E-14N01	M	1440.0	10/25/84 04/23/85	79.6 76.7	1361.4 1363.3	5117
24S/13E-33C02	M	1225.0	10/24/84	12.0	1213.0	5117	28S/16E-14O01	F	1440.0	10/25/84 04/23/85	52.3 49.2	1387.7 1390.8	5117
25S/12E-26K01	M	749.0	10/16/84	136.0	613.0	5117	28S/16E-23M01	M	1440.0	04/23/85	49.6	1390.4	5117
25S/12E-26K02	M	749.0	10/16/84 04/23/85	153.2 190.7	595.8 558.3	5117	29S/16E-02Q01	M	1541.0	10/26/84 04/23/85	17.6 24.5	1523.4 1516.5	5117
25S/12E-26L01	M	678.0	10/14/84	184.5	693.5	5117							
25S/13E-11B01	M	1185.0	10/24/84	31.6	1153.4	5117							
25S/13E-19P01	M	915.0	10/16/84	174.5	740.5	5117							
25S/16E-17L01	M	1165.0	10/24/84	30.0	1135.0	5117							
25S/14E-30M01	M	1218.0	10/24/84	68.4	1149.6	5117							
26S/13E-05F01	M	739.0	10/18/84	17.4	721.6	5117							
26S/13E-10F01	M	800.0	10/18/84	94.7	705.3	5117							
26S/13E-11F02	M	820.0	10/18/84	44.3	775.7	5117							
26S/14E-09N01	M	1140.0	10/22/84	262.0	878.0	5117							
26S/14E-17F01	M	1000.0	10/22/84	110.7	889.3	5117							
26S/14E-11J01	M	979.5	10/22/84	105.1	874.4	5117							
26S/14E-24N01	M	1000.0	10/24/84 04/30/85	46.9 54.5	953.1 945.5	5117							
26S/14E-35C02	M	1028.0	10/22/84 04/24/85	25.2 24.4	1012.8 1013.6	5117							
26S/15E-02A01	M	1115.0	10/24/84	29.4	1085.6	5117							
26S/15E-02N01	M	1009.0	10/24/84	122.6	970.4	5117							
26S/15E-14P02	M	1068.0	10/24/84	124.1	943.9	5117							
26S/15E-16R03	M	1008.0	10/24/84	102.4	965.6	5117							
26S/15E-14P02	M	1030.0	10/17/84 04/24/85	55.6 64.7	994.4 985.3	5117							
26S/15E-17K01	M	1038.0	10/22/84	66.1	969.9	5117							
26S/15E-18J01	M	1022.5	10/22/84	71.1	951.4	5117							
26S/15E-18K01	M	1029.0	10/22/84	90.2	948.8	5117							
26S/15E-20Q02	M	1030.0	10/22/84 04/18/85	62.3 83.5	967.7 945.5	5117							
26S/15E-20F01	M	1057.7	10/22/84 04/30/85	63.7 56.4	994.0 1001.3	5117							
26S/15E-21F01	M	1040.0	10/22/84 04/29/85	49.3 49.4	990.7 979.6	5117							
26S/15E-21G02	M	1800.0	10/22/84	66.1	1733.9	5117							
26S/15E-29N01	M	1113.0	04/30/85	152.2	960.8	5117							
26S/15E-29N01	M	1133.0	10/22/84 04/30/85	108.1 112.0	1024.9 1021.0	5117							
26S/15E-30J01	M	1123.0	10/22/84	114.3	1006.7	5117							
26S/15E-35C01	M	1100.0	10/25/84 04/23/85	67.4 49.9	1032.6 1030.1	5117							
26S/15E-33Q01	M	1101.5	10/25/84 04/23/85	70.3 48.2	1031.2 1023.3	5117							
26S/15E-34P02	M	1120.0	10/25/84 04/23/85	69.6 67.8	1059.4 1061.2	5117							
27S/14E-11G02	M	1121.0	10/22/84	124.1	992.9	5117							
27S/14E-11P01	M	1150.0	10/22/84	100.9	1049.1	5117							
27S/14E-24R01	M	1190.0	10/23/84	171.9	1008.1	5117							
27S/14E-25A01	M	1225.0	10/23/84	135.0	1090.0	5117							
27S/14E-25J01	M	1250.0	10/23/84	102.4	1147.6	5117							
27S/15E-03E01	M	1120.0	04/23/85	81.3	1038.7	5117							
27S/15E-10P02	M	1130.0	10/25/84 04/23/85	82.6 81.9	1047.4 1048.1	5117							
27S/15E-14M01	M	1159.5	10/25/84	100.1	1059.4	5117							

APPENDIX E

GROUND WATER QUALITY

APPENDIX E

GROUND WATER QUALITY

Appendix E presents the results of chemical analyses of ground water samples collected in the Central Coastal Area from October 1, 1984 to September 30, 1985. The data are grouped in four categories:

Table	Title
E-1	Mineral Analyses of Ground Water
E-2	Minor Element Analyses of Ground Water
E-3	Supplemental Minor Element Analyses of Ground Water
E-4	Nutrient Analyses of Ground Water

Ground water quality stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Areal code numbers appear in the tables to the left of the hydrologic area names, and the data listed thereunder are in that hydrologic area. The number of quality stations precludes plotting each individual well on maps in this publication. Instead, Figure 7 shows the location of the ground water basins in which the water samples were taken.

To facilitate station location, the cross references on the following page relate hydrologic areas to the ground water basins shown on Figure 7 and lists the respective areal codes. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers on which the analyses may be found. (The number of pages referenced indicates the extent of analyses for each station.)

The location of a well can be approximated by the well number. The numbering system for the wells is described in Appendix D, page 49.

In order to increase the amount of information in the water quality tables, some columns have multiple headings, and data are tabulated respectively. For example, the first column of Table E-1 shows the date of sampling printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data were obtained.

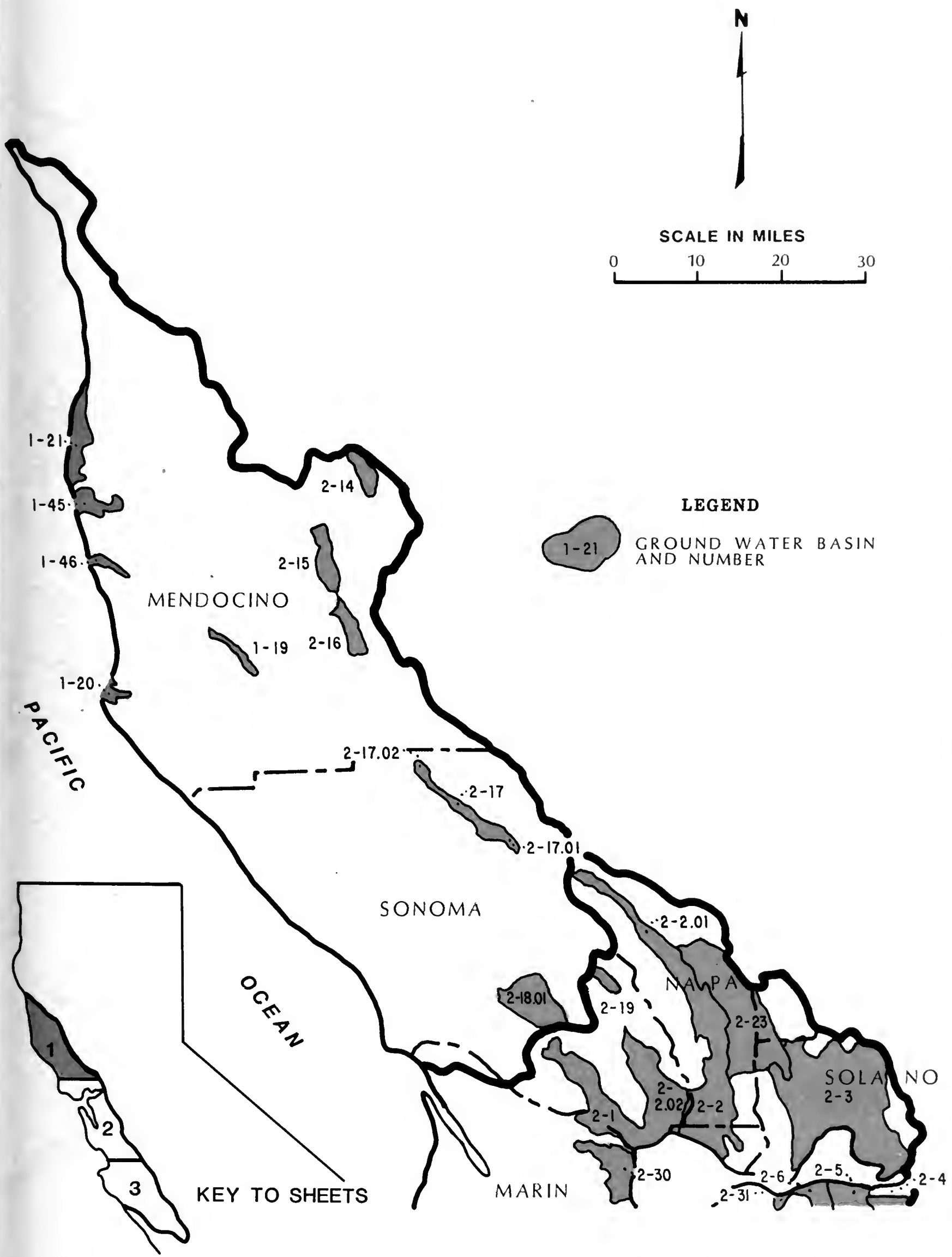
Abbreviations and codes used in the tables are explained at the beginning of each table.

APPENDIX E CROSS REFERENCE GROUND WATER BASIN—AREAL CODE

Ground Water Basin					Ground Water Basin				
No.	Name	Hydrologic Area*	Areal Code **	Analyses on page	No.	Name	Hydrologic Area*	Areal Code **	Analyses on page
		<u>SAN FRANCISCO BAY</u>	HB				<u>NORTH COAST</u>	HB	
		SAN MATEO	HU				MENDOCINO COAST		
		San Mateo Coastal	HA		1-21	Fort Bragg Terrace Area	Moyo River	HA	F-13.B0 90
2-36	San Pedro Valley	Pacifica	HSA	E02.B1 78	1-45	Big River Valley	Big River	HA	F-13.C0 90
		Tunitas Creek	HSA	E02.B3 78	1-19	Anderson Valley	Navarro River	HA	F-13.E0 90
2-24	San Gregorio Valley	San Gregorio Cr	HA	E02.C 78	1-46	Navarro River Valley			
		Pescadero Creek	HA	E02.D 78	1-20	Garcia River Valley	Brush Creek	HSA	F-13.F4 90
		<u>SOUTH BAY</u>	HU		1-20	Garcia River Valley	Garcia River	HA	F-13.G 90
2-9.01	East Bay Area	East Bay Cities	HU	E04.B 78			<u>RUSSIAN RIVER</u>	HU	
2-7	San Ramon Valley	Alameda Creek	HA	E04.CO 78			Middle Russian River	HA	
2-10	Livermore Valley				2-17	Alexander Valley	Geyserville	HSA	F-14.B5 90
2-11	Sunol Valley				2-17.01	Alexander Area			
2-9.02	South Bay Area	San Mateo Bayside	HA	E04.DO 79, 103	2-17.02	Cloverdale Area			
2-32	Visitation Valley						Upper Russian River	HA	
2-33	Islais Valley				2-15	Ukiah Valley	Ukiah	HA	F-14.C1 91
2-34	San Francisco Dune Area				2-16	Sanel Valley			
		<u>SANTA CLARA</u>	HU		2-14	Potter Valley	Coyote Valley	HSA	F-14.C2 91
2-9.01	East Bay Area	Freemont Bayside	HA	E-05.B0 79	2-15	Ukiah Vaalley	Forsythe Creek	HSA	F-14.C3 91
2-9	Santa Clara Valley	Coyote Creek	HA	E05.CO 80, 103, 111, 115			<u>CENTRAL COAST</u>	HB	
		<u>SAN PABLO</u>	HU				PAJARO RIVER	HU	
2-28	Ross Valley	Novato	HA	F06.B 87	3-2	Pajaro Valley	Watsonville	HA	T-05.A 92
2-29	San Rafael Valley				3-3	Gilroy Hollister Valley	South Santa Clara Valley	HA	T-05.C 92
2-30	Novato Valley								11: 6
2-1	Petaluma Valley	Petaluma River	HA	E-06.C 87	3-4.09	Langley Area	BOLSA NUEVA	HU	T-06 94
2-18.01	Santa Rosa Plain				3-7	Carmel Valley	CARMEL RIVER	HU	T-07 94
2-30	Novato Valley						<u>SALINAS</u>	HU	
2-2.02	Sonoma Valley	Sonoma Creek	HA	E-06.D 87	3-4	Salinas Valley	Lower Salinas Valley	HA	T-09.A 94
2-19	Kenwood Valley				3-4	Salinas Valley	Chular	HA	T-09.B 97
2-2	Napa-Sonoma Valley	Napa River	HA	E-06.E 87	3-4	Salinas Valley	Soledad	HA	T09.C 97
2-201	Napa Valley				3-4	Salinas Valley	Upper Salinas Valley	HA	T-09.D 98
2-23	Napa-Sonoma Volcanics Highlands				3-4.08	Seaside Area	Monterey Peninsula	HA	T-09.E 99
		<u>SUISUN</u>	HU		3-4.10	Corral de Tierra Area			
2-3	Suisun-Fairfield Valley	Fairfield	HA	E-07.B 88	3-30	Bitter Water Valley	Gabilan Range	HA	T-09.G 99
2-23	Napa-Sonoma Volcanics Highlands				3-32	Peach Tree Valley			
2-3	Suisun-Fairfield Valley	Benicia	HSA	E-07.B1 88	3-6	Lockwood Valley	Paso Robles	HA	T-09.H 100
2-23	Napa-Sonoma Volcanics Highlands						Atascadero	HSA	T-09.H1 100
2-23	Napa-Sonoma Volcanics Highlands	Suisun Creek	HSA	E-07.B2 88					
2-3	Suisun Fairfield Valley	Suisun Slu	HSA	E-07.B3 88					
		Concord	HA						
2-4	Pittsburg Plain	Pittsburg	HSA	E-07.C1 89					
2-5	Clayton Valley								
2-6	Ygnacio Valley	Martinez	HSA	E-07.C3 89					
2-31	Arroyo del Hambre Valley								

*See page 2.

**See figure 2.



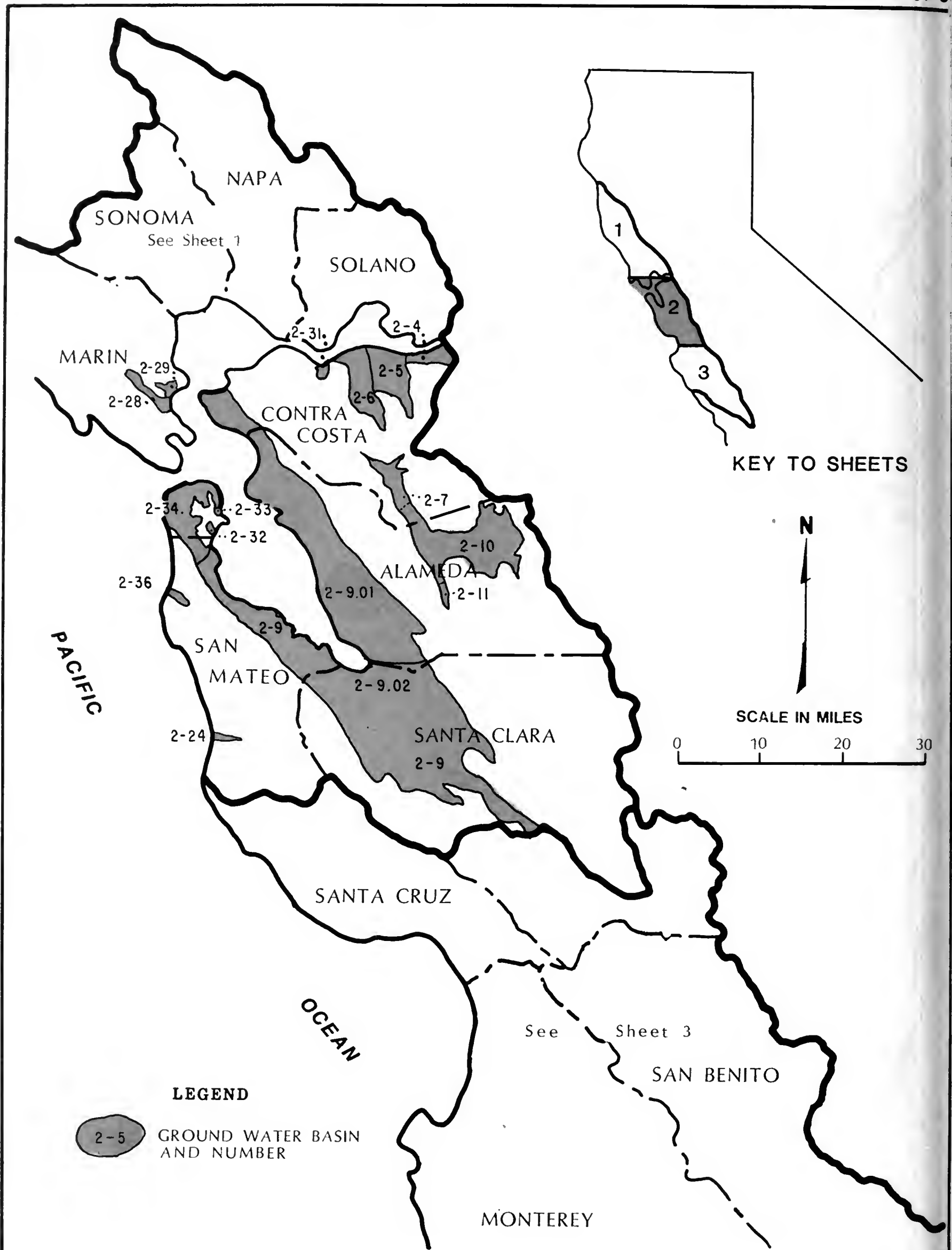


Figure 7 LOCATION OF GROUND WATER BASINS - QUALITY

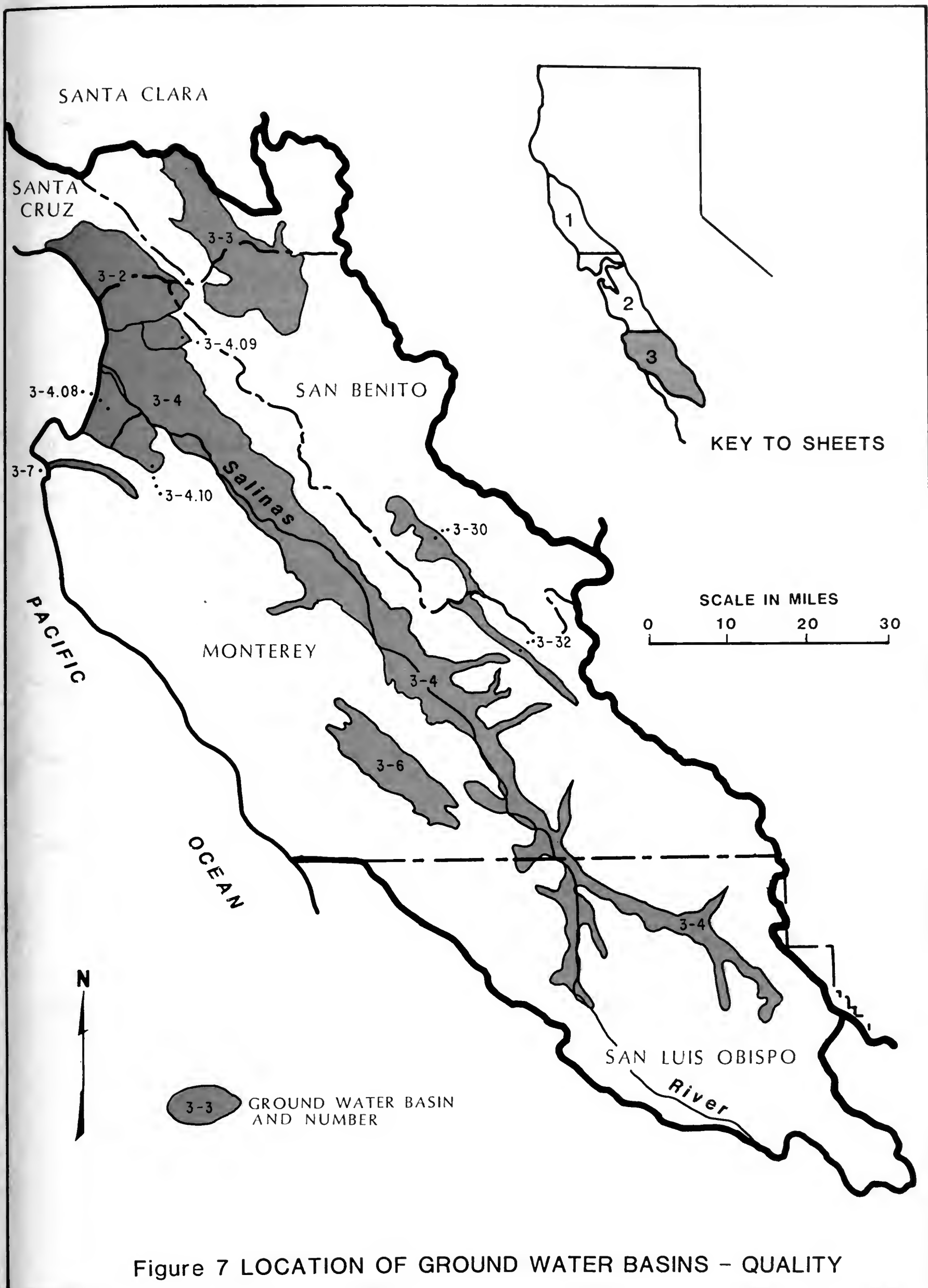


TABLE E-I

MINERAL ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400- Santa Clara Valley Water District
 5050 - California Department of Water Resources
 5100 - Alameda County Flood Control and Water Conservation District
 5117 - San Luis Obispo County Flood Control and Water Conservation District
 5401 - Alameda County Water District
 5701 - California Water Service Company
 5115 - Monterey County Flood Control and Water Conservation District

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock
 TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
 Field - Determined in the field
 Laboratory - Determined in the laboratory
 pH - Measure of acidity or alkalinity of water
 EC - Electrical conductance in microsiemens at 25°C

Constituents:

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CACO3	-	Calcium Carbonate	NA	-	Sodium
CL	-	Chloride	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
			SO4	-	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units: milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion.

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage.

TURB - Jackson turbidity units measured with a Hach nephelometer (A); if in the field, (F)
 TDS - Gravimetric determination of total dissolved solids at 180°C (value followed by * is a determination at 105°C)
 SUM - Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
 TH - Total hardness
 NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity
 SAR - Sodium adsorption ratio
 ASAR - Adjusted sodium adsorption ratio

(Continued on next page)

REM - Remarks; code letters are:

- T - Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.
- S - The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of ± 5 percent.
- X - The field EC and the lab EC are not within 20 percent of each other.
- C - The electrical conductivity divided by the EC-EPM factor (or, if absent, 100) is not within 20 percent of the average of the cation sum and anion sum for complete analysis.
- E - Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

MINERAL ANALYSES OF GROUND WATER

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TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATERS

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
				CA	MG	NA	K	CaCO3	SO4	CL	NO3	Fe	SiO2	TDS	TH	ASAP	SEM		
E-04 E-04.C		SAN FRANCISCO BAY HA SOUTH BAY HIJ ALAMEDA CREEK HA																	
03S/01E-05R02 M																			
09/22/85 1110	5100	64.4F		890	46	21	12F	1.6	294	89	63	.9	.8	--	531	202	3.9		
	5050	18.0C	8.7	864	2.30	1.73	5.57	.04	5.67	1.88	1.74	.01	--	521	0	8.6			
					24	18	56	0	61	20	19	0							
03S/01E-09H03 M																			
07/26/85 1300	5100	63.5F	7.3	2460	66	122	209	--	294	--	347	31.0	--	--	667	2.5			
	5050	17.5C	8.0	2150	3.29	10.03	5.09	--	5.87	--	10.91	.50	--	--	373	9.3			
					15	45	41												
03S/01E-10L01 M																			
07/26/85 1415	5100	63.5F	7.4	780	61	44	36	--	243	--	72	13.0	--	--	223	0.0			
	5050	17.5C	8.4	763	3.04	3.62	1.57	--	4.86	--	2.03	.21	--	--	96	2.0			
					37	44	19												
03S/01E-11H01 M																			
07/25/85 1240	5100	64.4F	7.5	610	37	45	28	1.8	218	30	44	14.0	.3	--	358	278	0.7		
	5050	18.0C	8.6	607	1.85	3.70	1.22	.04	4.30	.61	1.24	.26	--	--	340	62	1.6		
					27	54	18	1	65	12	19	4							
03S/01E-12H01 M																			
08/22/85 0940	5100	63.5F		970	38	72	43	1.0	205	55	71	33.0	.4	--	506	301	0.9		
	5050	17.5C	8.4	870	1.90	5.92	1.87	.04	5.89	1.15	2.00	.53	--	--	491	67	2.4		
					20	61	19	1	62	12	21	6							
03S/01E-15J03 M																			
07/26/85 1040	5100	62.6F	7.2	850	50	42	34	--	227	--	63	9.7	--	--	298	0.9			
	5050	17.0C	8.1	703	2.50	3.45	1.48	--	4.54	--	1.75	.16	--	--	71	2.0			
					34	46	20												
03S/01E-24A01 M																			
07/26/85 0910	5100	72.5F	7.4	840	18	3.0	170	--	274	--	77	.5	--	--	54	9.7			
	5050	22.5C	8.7	835	.90	.25	7.40	--	5.47	--	2.17	.01	--	--	0	14.0			
					11	3	87												
03S/02E-08E01 M																			
07/24/85 1110	5100	69.8F	7.7	830	46	55	44	--	260	--	61	26.0	--	--	241	1.0			
	5050	21.0C	8.7	795	2.30	4.52	1.91	--	5.59	--	1.72	.45	--	--	62	2.5			
					26	52	22												
03S/02E-17F02 M																			
07/24/85 0900	5100	65.3F	7.2	840	48	66	33	--	280	--	71	33.0	--	--	292	0.7			
	5050	18.5C	8.6	830	2.40	5.43	1.44	--	5.59	--	2.00	.42	--	--	112	1.8			
					26	56	16												
03S/02E-29D01 M																			
07/24/85 0740	5100	65.3F	7.1	860	53	38	56	1.5	204	47	66	52.0	.3	--	472	280	1.4		
	5050	18.5C	8.2	807	2.64	3.13	2.44	.04	4.08	.98	2.43	.84	--	--	456	85	3.2		
					32	38	30	0	40	12	29	10							
03S/03E-19C02 M																			
07/24/85 1340	5100	68.9F	6.8	1570	98	57	122	2.0	232	35	205	113	1.4	--	1020	470	2.4		
	5050	20.5C	8.4	1580	4.89	4.69	5.31	.05	4.64	.72	2.32	1.62	--	--	863	247	5.0		
					33	31	36	0	30	5	54	12							
02S/01W-36E03 M																			
08/22/85 1330	5100	63.5F	7.1	810	96	20	51	3.1	250	82	45	15.0	.2	--	500	322	1.2		
	5050	17.5C	8.6	777	4.79	1.64	2.22	.06	5.19	1.71	1.27	.31	--	--	472	62	2.9		
					55	19	25	1	61	20	15	4							
E-04.D		SAN MATEO BAYSIDE HA																	
03S/05W-20F03 M																			
06/26/85 0930	5701				98	38	94	5.0	231	181	154	5.0	--	.1		402	2.0		
	5701	7.4	1230	4.89	3.13	4.09	.13	4.62	3.77	4.34	.13		--	34.0	751	170	4.9		
					40	26	33	1	36	20	34	1							
03S/05W-20K01 M																			
06/26/85 0830	5701				46	45	71	2.4	203	67	133	15.0	--	.2		301	1.8		
	5701	7.6	950	2.30	3.70	3.09	.06	4.06	1.34	3.78	.24		--	44.0	656	97	4.0		
					25	40	34	1	43	15	40	3							
03S/05W-20K02 M																			
06/26/85 0930	5701				44	50	58	2.0	203	58	87	17.0	--	.1		314	1.4		
	5701	7.6	915	2.20	4.11	2.52	.08	4.06	1.21	2.45	1.40		--	41.0	540	113	3.2		
					25	46	28	1	45	13	27	15							
E-05 E-05.A		SANTA CLARA HIJ FREMONT BAYSIDE HA																	
04S/01W-20402 M																			
07/15/85	5401				39	32	58	--	171	--	74	--	--	--	229	1.7			
	5050	8.3	724	1.95	2.63	2.52		3.42		2.09			--	--	66	3.4			
					27	37	35												
04S/01W-21F02 M																			
07/16/85	5401				43	33	72	2.9	156	101	88	13.0	.6	--	500	243	2.0		
	5050	8.3	821	2.15	2.71	2.13	.07	3.12	2.10	2.46	.21		--	--	447	87	4.1		
					27	44	34	1	39	27	31	3							
04S/01W-21001 M																			
07/15/85	5401				31	40	81	2.5	210	93	69	25.0	1.1	--	542	242	2.3		
	5050	8.2	852	1.54	3.29	2.52	.06	4.20	1.64	1.95	.40		--	--	469	32	4.9		
					18	39	42	1	49	23	23	5							
04S/01W-28C14 M																			
07/15/85	5401				52	29	47	--	124	--	113	--	--	--	249	1.3			
	5050	8.1	754	2.59	2.38	2.04		2.48		3.19			--	--	125	2.5			
					37	34	29												

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				TDS SUM	TH NCH	SAR ASAR	REM
			LABORATORY PH	EC	CA	MG	NA	K	PERCENT CACO3	SO4	CL	NO3	PERCENT REACTANCE	VALVE	TURB	SiO2				
E-05 E-05.B E-05.B			SAN FRANCISCO BAY HA SANTA CLARA MOUNTAINS FREMONT BAYSIDE HA																	
07/15/85	5401																			
	5050		8.0	1140	3.24 30	44 34	89 36	2.6 .07 1	153 3.06 28	91 1.89 17	187 5.27 49	37.0 .60 6	.7 --	657 608	343 190	2.1 4.5				
07/15/85	5401																			
	5050		8.0	1090	123 6.14 36	56 4.61 27	142 6.18 37	--	122 2.44	--	488 13.76	--	--	--	538 416	2.7 5.9				
E-05.C			CEYOTE CREEK HA																	
08/12/85	2400	68 F	7.4	1120	55	44	100	--	350	--	64	--	--	--	318	2.7				
	5050	20 C	8.1	1050	2.74 25	3.62 33	4.74 43		6.99		1.80		--	--	0	4.4				
08/26/85	5701	72 F			39	5.0	164	2.4	250	82	95	8.0	--	.1	124	5.4				
	5701	22 C	7.9	980	1.95 20	.49 5	7.13 74	.06 1	5.00 53	1.71 18	2.68 28	.13 1	19.0	565	0	12.4				
09/13/85	2400	66 F	6.7	640	43	22	67	--	217	--	44	--	--	--	108	2.1				
	5050	19 C	8.5	652	2.15 31	1.81 26	2.91 42		4.34		1.24		--	--	0	4.3				
12/03/84	2400	66.8 F		820	--	--	--	--	324	--	35	--	--	--	316					
	2400	16.0 C	7.9	825					6.47		.99		--	--						
11/26/84	2400	62.6 F		700	--	--	60	--	107	52	49	15.9	.94	.1	426	236				
	2400	17.0 C	7.7	714			2.61 36		3.94 59	1.08 16	1.38 21	.25 4	--	--						
07/09/85	5701	72 F			38	12	82	1.1	209	39	55	2.0	--	.2	144	3.0				
	5701	22 C	7.9	640	1.90 29	.99 15	3.57 55	.03 0	4.18 64	.81 17	1.55 24	.03 0	24.0	378	0	5.8				
11/26/84	2400			1150	--	--	47	--	410	136	63	.1	.33	.2	751	630				
	2400		7.8	1214			2.04 14		8.19 64	2.83 22	1.78 14	.00 0	--	--						
08/26/85	5701	72 F			70	42	84	1.8	308	53	106	11.0	--	.1	347	2.0				
	5701	22 C	7.7	1010	3.49 33	3.45 32	3.65 34	.05 C	6.15 59	1.10 11	2.99 20	.18 2	28.0	580	40	4.6				
07/01/85	5701	70 F			64	23	34	1.2	213	42	38	28.0	--	.1	256	0.0				
	5701	21 C	7.7	570	3.19 48	1.89 29	1.48 22	.03 C	4.26 64	.87 13	1.07 16	.45 7	24.0	382	41	2.6				
08/28/85	5701				70	50	36	1.9	310	86	36	5.0	--	.2	293	0.8				
	5701		7.9	800	3.40															

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				REMARKS	
			LABORATORY PH	EC		CA	MG	NA	K	PERCENT CACO3	REACTANCE SO4	VALUE CL	NO3	TURB	F SIO2	TDS SMM	TH MCH		SAR ASAR
E E-05 E-05.C																			
SAN FRANCISCO RAY MR SANTA CLARA MII COYOTE CREEK HA																			
07S/01E-20003 M																			
10/17/84 1130	5701	66 F			71	50	22	1.3	285	70	41	27.0	--	.1		382	0.5		
	5701	19 C	7.3	805	3.54	4.11	.96	.03	5.69	1.46	1.16	.44	--	26.0	479	98	1.2		
					41	48	11	C	65	17	13	5							
07S/01E-20004 M																			
10/17/84 1130	5701	66 F			63	53	23	1.2	289	60	38	26.0	--	.1		375	0.5		
	5701	19 C	7.3	795	3.14	4.36	1.00	.03	5.77	1.25	1.07	.42	--	26.0	463	97	1.3		
					37	51	12	C	68	15	13	5							
07S/01E-21E02 M																			
07/01/85 0930	5701	66 F			65	42	30	1.3	295	62	29	15.0	--	.1		334	0.7		
	5701	19 C	7.8	780	3.24	3.45	1.31	.03	5.89	1.29	.82	.24	--	26.0	447	40	1.7		
					40	43	16	0	71	16	10	3							
07S/01E-22H04 M																			
08/26/85 0915	5701	64 F			63	65	34	1.5	357	71	33	15.0	--	.1		427	0.7		
	5701	18 C	7.9	850	3.14	5.35	1.48	.04	7.13	1.48	.93	.24	--	30.0	527	68	1.9		
					31	53	15	C	73	15	10	2							
07S/01E-27G05 M																			
08/13/85 1002	2400	66 F	7.3	790	38	49	34	--	253	--	31	--	--	--		297	0.0		
	5050	19 C	8.4	702	1.90	4.03	1.48		5.05		.87	--	--	--		44	2.0		
					26	54	20												
07S/01E-32G01 M																			
08/19/85 1045	5701	64 F			50	35	19	.6	226	37	29	7.0	--	.2		270	0.5		
	5701	18 C	7.5	565	2.50	2.88	.83	.02	4.52	.77	.82	.11	--	24.0	337	43	1.1		
					40	46	13	0	73	12	13	2							
07S/01E-32J03 M																			
08/19/85 1030	5701	61 F			47	35	17	.7	218	38	25	7.0	--	.2		260	0.5		
	5701	16 C	7.2	540	2.35	2.88	.74	.02	4.36	.79	.71	.11	--	21.0	321	44	1.0		
					39	48	12	C	73	13	12	2							
07S/02E-07M02 M																			
12/04/84 1103	2400	59.4F			44	18	17	--	372	138	58	3.7	.51	.4	685	186	5.6	Y	
	2400	15.2C	8.0	1085	2.20	1.51	7.61		7.43	2.87	1.64	.06	--	--	661	0	12.6	S	
					17	12	59		62	24	14	1							
07S/02E-20R01 M																			
11/27/84 0930	2400	64.6F	7.2	960	76	36	60	--	330	63	53	31.7	.46	.4	596	340	1.9		
	2400	18.1C	7.7	957	3.79	3.00	3.48		6.59	1.31	1.49	.51	--	--	539	10	4.7	C	
					29	23	26		67	13	15	5						S	
08/13/85 1050	2400	75 F	7.2	1100	34	36	63	--	272	--	51	--	--	--		233	2.4	Y	
	5050	24 C	8.4	793	1.70	2.96	3.61		5.43		1.44		--	--		0	5.3	C	
					21	36	44												
07S/02E-20C04 M																			
12/04/84 0930	2400	67.1F			76	26	69	--	360	52	37	8.4	.35	.3	508	300	1.7		
	2400	19.5C	7.7	810	3.79	2.20	3.00		7.19	1.08	1.64	.14	--	--	485	0	4.3	C	
					34	20	27		76	11	11	1						S	
07S/02E-33C04 M																			
08/13/85 1030	2400	64 F	6.9	1110	43	71	66	--	299	--	104	--	--	--		399	1.4		
	5050	18 C	8.4	1010	2.15	5.84	2.87		5.97		2.93		--	--		101	3.6	S	
					20	54	26												
08S/01E-04M01 M																			
07/11/85 1100	5701	64 F			40	29	16	1.0	180	34	26	9.0	--	.1		218	0.5		
	5701	18 C	7.4	485	2.00	2.38	.78	.03	3.60	.71	.73	.15	--	26.0	291	39	1.1		
					39	46	15	1	69	14	14	3							
08S/01E-04M02 M																			
07/11/85 1100	5701	64 F			40	29	18	.9	176	34	29	8.0	--	.1		218	0.5		
	5701	18 C	7.3	490	2.00	2.38	.78	.02	3.52	.71	.82	.13	--	26.0	290	43	1.1		
					39	46	15	0	68	14	16	3							
08S/01E-05H03 M																			
08/19/85 0945	5701	64 F			54	25	16	.5	187	37	28	6.0	--	.1		238	0.5		
	5701	18 C	7.0	505	2.69	2.06	.70	.01	3.74	.77	.79	.10	--	24.0	303	51	1.0		
					49	38	13	C	69	14	15	2							
08S/01E-05H04 M																			
08/21/85 0930	5701	64 F			44	31	17	.7	185	37	32	3.0	--	.1		238	0.5		
	5701	18 C	7.2	500	2.20	2.55	.74	.02	3.70	.77	.90	.05	--	24.0	300	53	1.0		
					40	46	13	C	58	14	17	1							
08S/01E-10G02 M																			
07/11/85 1130	5701	64 F			49	39	21	.7	235	45	30	9.0	--	.1		282	0.5		
	5701	18 C	7.5	610	2.45	3.21	.91	.02	4.70	.94	.85	.15	--	26.0	361	48	1.2		
					37	49	14	C	71	14	13	2							
08S/01E-10G03 M																			
07/11/85 1130	5701	64 F			53	37	26	1.0	234	50	29	9.0	--	.1		284	0.7		
	5701	18 C	7.4	635	2.64	3.04	1.13	.03	4.68	1.04	.82	.15	--	29.0	373	50	1.5		
					39	44	17	0	70	16	12	2							
08S/01E-10K03 M																			
08/21/85 0900	5701	63 F			53	41	21	.5	248	45	28	4.0	--	.1		300	0.5		
	5701	17 C	7.4	610	2.64	3.37	.91	.01	4.96	.94	.79	.06	--	24.0	365	53	1.2		
					38	49	13	C	73	14	12	1							
08S/01E-21C02 M																			
12/04/84 1330	2400	63.5F			60	46	24	--	270	48	39	15.8	.37	.2	398	340	0.6		
	2400	17.5C	7.7	701	2.99	3.81	1.04		5.39	1.00	1.10	.25	--	--	395	71	1.4	C	
					26	33	9		70	13	14	3							

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
			PH	EC	CA	MG	NA	K	PERCENT REACTANCE VALUE				TURB	SI02	TDS SUM	TH MCH	SAR ASAP	PEM
									CaCO3	SO4	CL	NO3						

E		SAN FRANCISCO BAY HA																
E-05		SANTA CLARA MII																
E-05.C		COYOTE CREEK HA																
ORS/01E-27C02 M																		
08/12/85	2400	66 F	7.1	840	56	81	35	--	306	--	58	--	--	--	473	0.7		
1650	5050	19 C	8.7	956	2.79	6.66	1.52	--	6.11	--	1.64	--	--	--	167	1.6		
					25	61	14											
ORS/02E-07F01 M																		
08/13/85	2400	68 F	7.2	590	35	30	24	--	171	--	18	--	--	--	211	0.7		
0945	5050	20 C	8.4	503	1.75	2.47	1.04	--	3.42	--	.51	--	--	--	40	1.5		
					33	47	20											
ORS/02F-34A01 M																		
08/13/85	2400	61 F	6.8	480	48	21	22	--	170	--	13	--	--	--	207	0.7		
0815	5050	16 C	8.6	481	2.40	1.73	.96	--	3.58	--	.37	--	--	--	28	1.4		
					47	34	10											
ORS/02F-02C01 M																		
08/13/85	2400	63 F	6.8	450	37	21	22	--	162	--	14	--	--	--	179	0.7		
0750	5050	17 C	8.4	434	1.85	1.73	.96	--	3.24	--	.39	--	--	--	17	1.4		
					41	36	21											
ORS/03E-07004 M																		
04/17/85	2400	64 F	7.1	610	--	--	28	1.2	218	58	35	27.7	.15	.2	340	260		
0900	2400	16 C	7.5	593	--	--	1.22	.03	4.36	1.21	.99	.45	--	--	--	--		
							10		62	17	14	4						
ORS/01W-35F01 M																		
10/09/84	2400	68 F	8.2	590	--	--	--	--	--	--	20	--	--	--	--	--		
0930	2400	20 C	8.0	585	--	--	--	--	--	--	.56	--	--	--	--	--		
ORS/01W-01K02 M																		
11/07/84	2400			7.6	625	--	--	--	--	268	--	28	--	--	--	260		
	2400			7.9	622	--	--	--	--	5.35	--	.79	--	--	--	--		
ORS/01W-02N02 M																		
10/09/84	2400	68 F	8.2	630	--	--	--	--	--	--	27	--	--	--	--	--		
1100	2400	20 C	7.9	661	--	--	--	--	--	--	.76	--	--	--	--	--		
ORS/01W-02N02 M																		
01/22/85	2400	62.6 F	7.9	625	--	--	--	--	--	--	25	--	--	--	--	--		
1530	2400	17.00 C	7.7	634	--	--	--	--	--	--	.71	--	--	--	--	--		
ORS/01W-02N02 M																		
04/26/85	2400	63 F	7.5	635	--	--	--	--	--	--	25	--	--	--	--	--		
0950	2400	17 C	7.9	667	--	--	--	--	--	--	.71	--	--	--	--	--		
ORS/01W-02N02 M																		
07/02/85	2400	72 F	7.0	550	--	--	--	--	--	--	25	--	--	--	--	--		
	2400	22 C	7.9	638	--	--	--	--	--	--	.71	--	--	--	--	--		
ORS/01W-10G03 M																		
04/16/85	2400	63.7 F	7.8	600	--	--	--	--	226	--	45	--	--	--	188	--		
1045	2400	17.60 C	8.2	609	--	--	--	--	4.52	--	1.27	--	--	--	--	--		
ORS/01W-10G03 M																		
04/26/85	2400	66 F	7.7	590	--	--	--	--	--	--	50	--	--	--	--	--		
1035	2400	19 C	8.0	602	--	--	--	--	--	--	1.41	--	--	--	--	--		
ORS/01W-10G03 M																		
07/02/85	2400	72 F	7.2	490	--	--	--	--	--	--	44	--	--	--	--	--		
	2400	22 C	7.9	551	--	--	--	--	--	--	1.24	--	--	--	--	--		
ORS/01W-10L03 M																		
04/16/85	2400	63.1 F	7.8	860	--	--	--	--	220	--	128	--	--	--	258	--		
1115	2400	17.30 C	8.3	903	--	--	--	--	4.40	--	3.61	--	--	--	--	--		
ORS/01W-11P01 M																		
10/09/84	2400	70 F	8.0	670	--	--	--	--	--	--	46	--	--	--	--	--		
1030	2400	21 C	8.1	696	--	--	--	--	--	--	1.30	--	--	--	--	--		
ORS/01W-11P01 M																		
01/22/85	2400	52.7 F	7.3	520	--	--	--	--	--	--	25	--	--	--	--	--		
1515	2400	11.50 C	7.8	612	--	--	--	--	--	--	.71	--	--	--	--	--		
ORS/01W-11P01 M																		
04/26/85	2400	68 F	7.4	650	--	--	--	--	--	--	25	--	--	--	--	--		
0935	2400	20 C	8.1	602	--	--	--	--	--	--	.71	--	--	--	--	--		
ORS/01W-11P01 M																		
08/12/85	2400	73 F	7.8	790	73	27	66	--	257	--	78	--	--	--	203	1.8		
1515	5050	23 C	8.7	865	3.64	2.22	3.00	--	5.13	--	2.14	--	--	--	37	4.1		
					41	25	34											

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
					Ca	Mg	Na	K	CaCO3	SO4	CL	NO3	TURB	SiO2	TDS SUM	TH ACH	SAR ACAP	DEF	

E		SAN FRANCISCO BAY MR																	
E-05		SANTA CLARA HILL																	
E-05.C		CANYON CREEK HA																	
06S/01W-11A03 M																			
04/16/85	2400	65.5F	7.8	650	--	--	--	--	280	--	30	--	--	--	280				
1015	2400	18.6C	8.3	659	--	--	--	--	5.59	--	.65	--	--	--					
06S/01W-11E01 M																			
04/30/85	2400	62.1F	7.9	590	--	--	--	--	248	--	27	--	--	--	274			Y	
0915	2400	16.7C	8.1	342	--	--	--	--	4.96	--	.76	--	--	--					
06S/01W-11G01 M																			
11/07/84	2400	66.4F	7.8	900	--	--	--	--	232	--	113	--	--	--	264				
	2400	19.1C	8.0	907	--	--	--	--	4.64	--	3.19	--	--	--				S	
06S/01W-11H01 M																			
11/07/84	2400	64.8F	7.9	640	--	--	--	--	260	--	22	--	--	--	240				
	2400	18.2C	8.1	582	--	--	--	--	5.19	--	.62	--	--	--					
06S/01W-11P01 M																			
10/09/84	2400	68 F	7.9	550	--	--	--	--	--	--	49	--	--	--					
1115	2400	20 C	8.3	561	--	--	--	--	--	--	1.38	--	--	--				S	
06S/01W-11R01 M																			
11/07/84	2400	63.1F	7.8	540	--	--	--	--	192	--	40	--	--	--	92				
	2400	17.3C	8.3	539	--	--	--	--	3.64	--	1.13	--	--	--					
06S/01W-11S01 M																			
01/22/85	2400	64.4F	8.1	530	--	--	--	--	--	--	31	--	--	--					
1550	2400	18.0C	8.1	496	--	--	--	--	--	--	.67	--	--	--					
06S/01W-12A02 M																			
04/26/85	2400	72 F	7.6	570	--	--	--	--	--	--	45	--	--	--					
1010	2400	22 C	8.2	557	--	--	--	--	--	--	1.27	--	--	--				S	
06S/01W-12B02 M																			
07/02/85	2400	75 F	7.5	480	--	--	--	--	--	--	49	--	--	--					
	2400	24 C	8.1	535	--	--	--	--	--	--	1.38	--	--	--					
06S/01W-12F02 M																			
11/07/84	2400	7.5	7.20	720	--	--	--	--	278	--	31	--	--	--	328				
	2400	7.9	722		--	--	--	--	5.55	--	.67	--	--	--					
06S/01W-12M03 M																			
10/09/84	2400	66 F	7.6	700	--	--	--	--	--	--	30	--	--	--					
1000	2400	19 C	8.0	708	--	--	--	--	--	--	.85	--	--	--				S	
06S/01W-12P03 M																			
01/22/85	2400	57.2F	7.2	640	--	--	--	--	--	--	29	--	--	--					
1445	2400	14.0C	7.7	690	--	--	--	--	--	--	.82	--	--	--					
06S/01W-12R03 M																			
04/26/85	2400	57 F	6.8	620	--	--	--	--	--	--	29	--	--	--					
0905	2400	14 C	8.0	714	--	--	--	--	--	--	.82	--	--	--				S	
06S/01W-12S03 M																			
07/02/85	2400	77 F	6.8	640	--	--	--	--	--	--	28	--	--	--					
	2400	25 C	7.9	652	--	--	--	--	--	--	.79	--	--	--				S	
06S/01W-13A01 M																			
11/07/84	2400	66.6F	7.2	700	--	--	--	--	270	--	29	--	--	--	314				
	2400	19.2C	7.6	715	--	--	--	--	5.39	--	.82	--	--	--					
06S/01W-14A01 M																			
12/03/84	2400	62.6F		1700	--	--	--	--	570	--	111	--	--	--	648				
	2400	17.0C	7.8	1708	--	--	--	--	11.39	--	3.13	--	--	--					
06S/01W-14B04 M																			
10/09/84	2400	68 F	7.5	1600	--	--	--	--	--	--	120	--	--	--					
1200	2400	20 C	7.7	1856	--	--	--	--	--	--	3.38	--	--	--					
06S/01W-14C04 M																			
01/23/85	2400	51.8F	8.5	1400	--	--	--	--	--	--	114	--	--	--				Y	
1000	2400	11.0C	7.5	1792	--	--	--	--	--	--	3.33	--	--	--					
06S/01W-14D04 M																			
04/26/85	2400	64 F	7.5	1600	--	--	--	--	--	--	110	--	--	--					
1055	2400	18 C	7.7	1740	--	--	--	--	--	--	3.10	--	--	--				S	
06S/01W-14E01 M																			
12/03/84	2400	64.4F		640	--	--	--	--	230	--	25	--	--	--	260				
	2400	18.0C	7.9	627	--	--	--	--	4.60	--	.79	--	--	--					
06S/01W-14F02 M																			
12/03/84	2400	64.4F		625	--	--	--	--	230	--	29	--	--	--	264				
	2400	18.0C	7.9	633	--	--	--	--	4.60	--	.62	--	--	--					
06S/01W-22J02 M																			
11/26/84	2400	76.1F		480	--	--	65	--	145	9.0	37	.2	.23	.1	255	44			
1000	2400	24.5C	8.1	464	--	--	3.00	--	3.10	.19	.00	.00							
					--	--	64	--	74	5	.21	.0							

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER								REM
				CA	MG	NA	K	CaCO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAP ASAR				

E E-05 E-05.C		SAN FRANCISCO RAY WA SANTA CLARA HU COYOTE CREEK WA																		

06S/01W-22L04 M																				
10/09/84	2400	75 F	7.5	840	--	--	--	--	--	--	50	--	--	--						
1315	2400	24 C	7.8	797							1.41									
01/23/85																				
1110	2400	51.8F	7.7	640	--	--	--	--	--	--	48	--	--	--						
	2400	11.0C	7.8	758							1.35									
04/26/85																				
1200	2400	64 F	7.4	740	--	--	--	--	--	--	50	--	--	--						
	2400	18 C	7.9	768							1.41									
07/02/85																				
2400	2400	75 F	7.7	780	--	--	--	--	--	--	50	--	--	--						
	2400	24 C	7.8	715							1.41									
06S/01W-23C01 M																				
10/09/84	2400	70 F		670	--	--	--	--	--	--	33	--	--	--						
1300	2400	21 C	7.9	669							.93									
01/23/85																				
1045	2400	60.8F	7.4	625	--	--	--	--	--	--	36	--	--	--						
	2400	16.0C	7.8	666							.99									
04/26/85																				
1145	2400	68 F	7.5	680	--	--	--	--	--	--	36	--	--	--						
	2400	20 C	7.8	635							1.02									
07/02/85																				
2400	2400	72 F	7.8	630	--	--	--	--	--	--	32	--	--	--						
	2400	22 C	7.9	583							.90									
06S/01W-23C03 M																				
11/26/84	2400			675	--	--	32	--	234	79	33	8.4	.33	.1	428	300				
1300	2400		7.9	620			1.39		4.68	1.84	.93	.14		--						
							10		63	22	13	2								
06S/01W-26001 M																				
08/12/85	2400	64 F	7.6	450	47	13	44	1.2	184	53	21	3.3	.1	--	307	171	1.5			
1453	5050	18 C	8.6	507	2.35	1.07	1.91	.03	3.68	1.10	.59	.05		--	202	0	2.9			
					44	20	36	1	68	20	11	1								
06S/01W-32002 M																				
11/19/84	2400	56 F		925	--	--	43	--	334	81	59	31.2	.54	.1	571	426				
1045	2400	19 C	7.4	947			1.87	--	6.67	1.69	1.65	.50		--						
							18		63	16	16	5								
06S/02W-06E10 M																				
10/09/84	2400	73 F	6.8	1060	--	--	--	--	--	--	47	--	--	--						
1400	2400	23 C	7.3	1050							1.33									
01/23/85																				
1320	2400	48.2F	7.5	905	--	--	--	--	--	--	48	--	--	--						
	2400	9.0C	7.2	1066							1.35									
04/26/85																				
1313	2400	72 F			--	--	--	--	--	--	48	--	--	--						
	2400	22 C	7.3	1114							1.35									
07/02/85																				
2400	2400	68 F	7.5	970	--	--	--	--	--	--	48	--	--	--						
	2400	20 C	7.3	1181							1.35									
06S/02W-06P14 M																				
10/09/84	2400	68 F	7.0	1400	--	--	--	--	--	--	95	--	--	--						
1445	2400	20 C	7.4	1652							2.68									
01/23/85																				
1250	2400	60.8F	7.3	1850	--	--	--	--	--	--	88	--	--	--						
	2400	15.0C	7.4	1664							2.48									
04/26/85																				
1300	2400	63 F	7.2	1300	--	--	--	--	--	--	65	--	--	--						
	2400	17 C	7.6	1633							2.68									
07/02/85																				
2400	2400	64 F	7.4	1290	--	--	--	--	--	--	66	--	--	--						
	2400	18 C	7.4	1554							2.43									
06S/02W-07L10 M																				
10/09/84	2400	68 F	6.8	1500	--	--	--	--	--	--	91	--	--	--						
1415	2400	20 C	7.3	1546							2.57									
06S/02W-09K01 M																				
11/19/84	2400	63.3F	7.1	640	--	--	--	--	220	--	31	--	--	--			332			
2400	2400	17.4C	8.1	630					4.40		.87									
06S/02W-09Q02 M																				
08/12/85	2400	68 F	7.8	600	29	16	67	--	183	--	34	--	--	--			139	2.6		
1352	5050	20 C	8.4	569	1.45	1.32	2.91	--	3.66	--	.96						0	4.7		
					26	23	51													

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				DEM	
					CA	MG	NA	K	CaCl2	SO4	Cl	NO3	TH2P	SiO2	TDS	TH	ASAP	DEM
E E-05 F-05.C																		
SAN FRANCISCO RAY WA SANTA CLARA CO COYOTE CREEK WA																		
06S/02W-09R44 M																		
04/30/85	2400	66.2F	7.7	690	--	--	--	--	246	--	37	--	--	--		274		
1000	2400	19.0C	8.0	680					4.92		1.04							
06S/02W-10G01 M																		
04/30/85	2400	69.1F	7.7	585	--	--	--	--	222	--	29	--	--	--		156		
1100	2400	20.6C	8.3	551					4.44		.82							
06S/02W-10G03 M																		
04/30/85	2400	65.3F	7.6	700	--	--	--	--	258	--	37	--	--	--		270		
1300	2400	18.5C	8.1	694					5.15		.90							
06S/02W-15G04 M																		
04/30/85	2400	65.8F	7.4	800	--	--	--	--	198	--	102	--	--	--		234		
1130	2400	18.8C	7.8	777					3.96		2.58							
06S/02W-15L06 M																		
11/19/84	2400	59.7F	7.1	1345	--	--	--	--	384	--	32	--	--	--		404		
	2400	15.4C	7.9	842					7.71		.90							
06S/02W-15L07 M																		
11/21/84	2400	51.1F	7.4	1600	--	--	--	--	458	--	50	--	--	--		644		
	2400	13.6C	7.5	1572					9.15		1.41							
06S/02W-15L13 M																		
11/19/84	2400	60.6F	6.6	1300	--	--	--	--	246	--	51	--	--	--		740		
	2400	15.9C	7.5	1282					4.92		1.44							
06S/02W-15M12 M																		
11/19/84	2400		7.0	960	--	--	--	--	234	--	39	--	--	--		484		
	2400		7.7	984					4.48		1.10							
06S/02W-17L03 M																		
10/09/84	2400	68 F	7.6	990	--	--	--	--	--	--	54	--	--	--				
1400	2400	20 C	7.8	1027							1.38							
01/23/85																		
1137	2400	57.2F	8.5	1060	--	--	--	--	--	--	57	--	--	--				
	2400	14.0C	7.4	1066							1.61							
04/26/85																		
1230	2400	66 F			--	--	--	--	--	--	65	--	--	--				
	2400	19 C	7.4	1322							1.83							
07/02/85																		
	2400	70 F	7.4	1170	--	--	--	--	--	--	60	--	--	--				
	2400	21 C	7.3	1117							1.69							
06S/02W-19M01 M																		
07/26/85	5701	70 F			51	24	54	1.0	255	23	34	15.0	--	.1		226	1.7	
1200	5701	21 C	7.6	655	2.54	1.97	2.57	.03	5.69	.48	.66	.24	--	30.0	408	0	3.9	
					36	28	36	0	77	7	13	3						
06S/02W-19M10 M																		
07/26/85	5701	70 F			51	24	52	1.0	253	20	40	15.0	--	.1		226	1.5	
1144	5701	21 C	7.7	615	2.54	1.97	2.26	.03	5.05	.42	1.13	.29	--	30.0	394	0	2.3	
					37	29	33	0	73	6	16	4						
06S/02W-20M01 M																		
08/12/85	2400	68 F	7.7	650	81	29	36	--	276	--	53	--	--	--		222	0.9	
1310	5050	20 C	8.7	747	4.04	2.38	1.57	--	5.51		1.49					46	2.1	
					51	30	20											
06S/02W-24C01 M																		
04/30/85	2400	70.3F	7.6	655	--	--	--	--	224	--	36	--	--	--		244		
1210	2400	21.3C	8.0	650					4.48		1.02							
06S/02W-24M01 M																		
04/30/85	2400	69.3F	7.4	640	--	--	--	--	220	--	36	--	--	--		230		
1145	2400	20.7C	7.9	624					4.40		1.02							
06S/02W-24M03 M																		
04/30/85	2400	71.6F	7.5	655	--	--	--	--	224	--	36	--	--	--		240		
1200	2400	22.0C	8.0	648					4.48		1.02							
06S/02W-28M01 M																		
06/24/85	5701	68 F			90	37	30	1.1	285	37	64	30.0	--	.1		380	0.7	
1302	5701	20 C	7.5	890	4.49	3.04	1.31	.03	5.69	.77	1.80	.48	--	35.0	496	92	1.7	
					51	34	15	0	85	0	21	5						
06S/02W-29M02 M																		
06/24/85	5701	68 F			94	40	40	1.3	367	25	40	30.0	--	.1		402	0.9	
1103	5701	20 C	7.5	955	4.64	3.29	1.74	.03	7.33	.57	1.38	.46	--	32.0	521	37	2.3	
					48	34	18	0	75	5	14	5						
06S/02W-34M01 M																		
11/19/84	2400	61 F			800	--	--	24	286	28	47	40.3	--	.1		384		
0925	2400	16 C	7.6	805			1.04	--	5.71	.58	1.33	.60	--	--				
							12		68	7	16	10						
08/12/85																		
1240	2400	66 F	7.4	680	73	33	25	--	231	--	52	--	--	--		319	0.6	
	5050	19 C	8.2	729	3.64	2.71	1.09	--	4.62		1.47					87	1.4	
					49	36	15											

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				DEM		
			PH	EC	CA	MG	NA	K	PERCENT REACTANCE VALUE				THRA	STO2	TDS SIUM	TH NCH		SAR ASAP	
									CAO3	SO4	CL	NO3							

E E-05 E-05.C		SAN FRANCISCO RAY HQ SANTA CLARA MIJ COYOTE CREEK HA																	

06S/02W-34N01 M																			
07/26/85	5701	64	F		94	44	24	1.0	294	38	74	58.0	--	.1		414	0.5		
1315	5701	18	C	7.4	980	4.69	3.62	1.04	.03	5.87	.79	2.09	.94	29.0	537	122	1.3		
						50	39	11	0	61	8	22	10						
06S/02W-34N03 M																			
07/26/85	5701	68	F		96	40	27	1.0	274	26	54	78.0	--	.1		380	0.6		
1106	5701	20	C	7.4	810	4.29	3.29	1.17	.03	5.47	.54	1.52	1.26	32.0	509	104	1.5		
						49	37	13	0	62	6	17	14						
06S/03W-01C11 M																			
10/09/84	2400	77	F	6.6	1150	--	--	--	--	--	45	--	--	--					
1515	2400	25	C	7.2	1077						1.27			--					
01/23/85		47.3F	7.4	900	--	--	--	--	--	--	44	--	--	--					
1335	2400	8.5C	6.9	1077							1.24			--					
04/26/85		68	F	6.9	900	--	--	--	--	--	43	--	--	--					
1325	2400	19	C	7.2	1093						1.21			--					
07/02/85		72	F	6.3	1030	--	--	--	--	--	41	--	--	--					
2400	2400	22	C	7.1	1166						1.16			--					
07S/01W-06R01 M																			
08/12/85	2400	73	F	8.9	780	10	2.0	3.0	1.1	26	3.0	5.0	.7	.0	--	49	33	0.2	
1000	5000	23	C	8.2	80	.50	.16	.13	.03	.52	.06	.14	.01	--	40	7	0.1		
						61	20	16	4	71	9	19	1						
07S/01W-06P01 M																			
06/25/85	5701	64	F		65	29	38	1.4	257	18	52	20.0	--	.2		282	1.0		
1245	5701	18	C	7.4	765	3.24	2.38	1.65	.04	5.13	.37	1.47	.47	34.0	420	25	2.3		
						44	33	23	1	69	5	20	6						
07S/01W-09R01 M																			
05/24/85	5701	68	F		58	20	30	1.2	205	14	32	20.0	--	.2		226	0.9		
1322	5701	20	C	7.3	595	2.89	1.64	1.31	.03	4.10	.37	.90	.32	34.0	336	22	1.9		
						49	28	22	1	72	7	14	6						
07S/01W-13E02 M																			
08/21/85	5701	64	F		50	20	22	1.0	173	42	25	4.0	--	.1		208	0.7		
1015	5701	18	C	7.2	465	2.50	1.44	.96	.03	3.46	.87	.71	.06	26.0	294	34	1.4		
						49	32	19	1	68	17	14	1						
07S/01W-13F04 M																			
07/09/85	5701	63	F		48	19	20	1.4	156	42	26	6.0	--	.1		198	0.6		
0001	5701	17	C	7.7	465	2.40	1.56	.97	.04	3.12	.87	.73	.10	24.0	280	42	1.2		
						49	32	18	1	65	18	16	2						
07S/01W-13J02 M																			
08/21/85	5701	63	F		66	20	18	1.4	175	46	41	10.0	--	.1		250	0.5		
1000	5701	17	C	7.6	545	3.29	1.64	.78	.04	3.50	.46	1.16	.16	21.0	324	72	1.1		
						57	29	14	1	61	17	20	3						
07S/01W-13J03 M																			
07/11/85	5701	63	F		58	19	18	1.3	160	43	34	13.0	--	.2		224	0.5		
1015	5701	17	C	7.8	525	2.89	1.56	.78	.03	3.20	.90	.66	.21	26.0	308	63	1.1		
						55	30	15	1	61	17	18	4						
07S/01W-13K03 M																			
07/11/85	5701	63	F		62	19	18	1.4	170	45	32	15.0	--	.1		234	0.5		
1015	5701	17	C	7.8	535	3.09	1.56	.78	.04	3.40	.84	.90	.24	26.0	320	63	1.1		
						56	29	14	1	62	17	16	4						
07S/01W-22E08 M																			
10/18/84	5701	63	F		42	22	21	1.1	146	49	25	10.0	--	.1		197	0.7		
1345	5701	17	C	7.5	473	2.10	1.81	.91	.03	2.92	1.02	.71	.16	28.0	286	50	1.3		
						43	37	10	1	61	21	16	3						
07S/01W-22E12 M																			
07/10/85	5701	68	F		45	24	19	1.1	162	39	26	14.0	--	.1		210	0.6		
0630	5701	20	C	7.7	490	2.25	1.97	.63	.03	3.24	.61	.73	.23	30.0	295	49	1.2		
						44	39	16	1	65	16	15	5						
07S/01W-22E13 M																			
07/10/85	5701	68	F		49	27	22	1.2	190	37	24	21.0	--	.1		234	0.6		
0630	5701	20	C	7.5	535	2.45	2.22	.96	.03	3.80	.77	.68	.34	30.0	325	44	1.3		
						43	39	17	1	68	14	12	6						
07S/01W-23P01 M																			
07/01/85	5701	63	F		47	17	24	1.0	148	43	38	4.0	--	.2		188	0.8		
0815	5701	17	C	7.7	500	2.35	1.40	1.04	.03	2.96	.90	1.07	.06	24.0	287	40	1.5		
						49	29	22	1	54	18	21	1						
07S/01W-23P02 M																			
08/28/85	5701				55	19	20	1.4	147	41	43	4.0	--	.1		217	0.6		
0800	5701			7.8	500	2.74	1.56	.87	.04	2.94	.85	1.21	.05	21.0	293	68	1.2		
						43	30	17	1	58	17	24	1						
07S/01W-23R03 M																			
07/01/85	5701	63	F		49	17	17	1.1	128	41	35	4.0	--	.2		190	0.5		
0815	5701	17	C	7.6	465	2.45	1.40	.74	.03	2.56	.85	.69	.06	19.0	260	65	1.0		
						53	30	16	1	57	19	22	1						
07S/01W-23P04 M																			
08/28/85	5701				53	14	22	1.1	149	42	35	5.0	--	.1		190	0.7		
1715	5701			7.8	475	2.64	1.15	.96	.03	2.98	.87	.69	.08	21.0	282	41	1.4		
						55	24	20	1	61	18	20	2						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY		PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
			CA	MG			NA	K	PERCENT REACTANCE VALUE				TURB	F	TDS	TH	SAR	RFM		
									CaCO3	SO4	CL	NO3								

E-05 E-05.C																				
SAN FRANCISCO RAY HA SANTA CLARA MII CCVOTE CREEK HA																				
07S/01W-23R07 M																				
10/21/84 1630	5701	66	F				44	18	27	1.2	158		45	29	4.0	--	.1	184	0.9	
	5701	19	C	7.7	475	2.20	1.48	1.17	.03	3.16	.94	.82	.06	--	26.0	289	26	1.7		
07S/01W-24J02 M																				
08/19/85 0900	5701	70	F				52	20	44	.7	206		32	43	12.0	--	.2	214	1.3	
	5701	21	C	7.7	590	2.59	1.64	1.91	.02	4.16	.67	1.21	.19	--	21.0	349	4	2.8		
07S/01W-24J03 M																				
08/26/85 0845	5701	66	F				57	14	47	1.4	165		40	66	12.0	--	.2	202	1.4	
	5701	19	C	7.6	625	2.84	1.15	2.04	.04	3.30	.63	1.86	.19	--	24.0	361	35	2.9		
07S/01W-26R02 M																				
08/21/85 0830	5701	63	F				57	18	16	1.0	137		43	49	1.0	--	.1	216	0.5	
	5701	17	C	7.6	485	2.84	1.48	.70	.03	2.74	.90	1.38	.02	--	24.0	291	70	0.9		
07S/01W-26R03 M																				
08/26/85 0830	5701	63	F				57	19	17	1.2	139		42	48	3.0	--	.2	219	0.5	
	5701	17	C	7.7	490	2.84	1.56	.74	.03	2.78	.87	1.35	.05	--	21.0	292	81	1.0		
07S/02W-03A02 M																				
06/25/85 1245	5701	66	F				64	20	26	1.2	221		28	32	17.0	--	.2	243	0.7	
	5701	19	C	7.4	620	3.19	1.64	1.13	.03	4.42	.58	.90	.27	--	28.0	349	21	1.6		
E-06 E-06.R																				
SAN PABLO MII NOVATO HA																				
03N/07W-14F01 M																				
08/29/85 1430	5050	63	F	7.1	657	28	28	63	--	189	--	62	--	--	--	--	185	2.0		
	5050	17	C	8.6	640	1.40	2.30	2.74		3.78		1.75	--	--	--	--	0	4.1		
E-06.C																				
PETALUMA RIVER HA																				
03N/06W-01001 M																				
08/29/85 1530	5050	68	F	7.3	1310	29	30	236	4.9	474	5.0	146	6.6	.3	--	749	106	7.3		
	5050	20	C	8.6	1320	1.45	2.47	16.27	.13	9.47	.10	4.12	.11	--	--	742	0	17.4		
04N/06W-08E01 M																				
08/29/85 1245	5050	7.2	F	1086	30	60	82	--	316	--	99	--	--	--	--	322	2.0			
	5050	8.3	C	961	1.50	4.93	3.57		6.31		2.79	--	--	--	--	6	4.9			
04N/06W-21001 M																				
08/29/85 1330	5050	7.4	F	983	12	10	192	--	300	--	120	--	--	--	--	71	9.9			
	5050	8.7	C	994	.60	.82	8.35		5.99		3.38	--	--	--	--	0	17.5			
05N/06W-30001 M																				
08/29/85 1100	5050	7.3	F	1085	17	22	167	--	257	--	114	--	--	--	--	133	6.3			
	5050	8.4	C	1000	.85	1.81	7.26		5.13		3.21	--	--	--	--	0	12.4			
05N/07W-20L03 M																				
08/29/85 1000	5050	6.5	F	1095	125	16	85	--	211	--	175	--	--	--	--	378	1.9			
	5050	8.5	C	1100	6.24	1.32	3.70		4.22		4.94	--	--	--	--	167	4.4			
E-06.D																				
SONOMA CREEK HA																				
05N/05W-18D02 M																				
08/08/85 1400	5050	64	F	6.6	508	26	22	44	--	146	--	37	--	--	--	146	1.6			
	5050	18	C	8.5	507	1.30	1.81	1.91		2.92		1.04	--	--	--	10	2.8			
05N/05W-28R01 M																				
08/08/85 1500	5050	68	F	8.0	1125	11	12	206	--	342	--	115	--	--	--	77	10.2			
	5050	20	C	8.8	1080	.55	.99	8.96		6.83		3.24	--	--	--	0	18.9			
06N/06W-10M02 M																				
08/08/85 1045	5050	64	F	6.7	299	16	12	22	4.2	84	31	23	.0	.1	--	229	90	1.0		
	5050	18	C	8.4	299	.80	.99	.96	.11	1.68	.65	.65	.00	--	--	159	6	1.4		
06N/06W-23M02 M																				
08/08/85 0930	5050	74	F	7.9	438	12	7.0	61	--	110	--	66	--	--	--	59	3.5			
	5050	23	C	8.5	444	.60	.58	2.65		2.20		1.86	--	--	--	0	4.6			
07N/06W-29P01 M																				
08/28/85 1000	5050	63	F	7.1	232	16	10	20	1.5	121	4.0	5.0	.0	.1	--	153	81	1.0		
	5050	17	C	8.5	236	.80	.82	.87	.04	2.42	.08	.14	.00	--	--	129	0	1.5		
E-06.E																				
NAPA RIVER HA																				
04N/04W-05C01 M																				
08/06/85 1230	5050	70	F	6.3	346	13	11	37	--	15	--	25	--	--	--	78	1.8			
	5050	21	C	8.3	353	.65	.90	1.61		.30		.71	--	--	--	63	1.1			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	SAR ASAR	REM
					CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SiO2						

	E E-06 E-06.E		SAN FRANCISCO RAY HB SAN PABLO HU NAPA RIVER HA																	
08/06/85	5050		7.3	694	32	17	88	--	194	--	81	--	--	--		150	3.1			
1145	5050		8.7	677	1.60	1.40	3.83	--	3.88	--	2.28	--	--	--		0	6.0			
					23	20	56													
08/06/85	5050	67 F	7.2	1599	66	45	149	1.6	158	42	337	6.6	.1	--	824	350	3.5			
1015	5050	19 C	8.1	1500	3.29	3.70	6.46	.04	3.16	.87	9.50	.11	--	--	742	192	7.4			
					24	27	48	C	23	4	70	1								
08/06/85	5050		7.3	488	24	14	67	.7	175	12	43	1.1	.1	--	297	118	2.7			
1415	5050		8.7	491	1.20	1.15	2.91	.02	3.50	.25	1.21	.02	--	--	267	0	4.8			
					23	22	55	0	70	5	24	0								
08/06/85	5050	72 F	6.0	832	60	32	44	--	127	--	127	--	--	--		281	1.1			
1320	5050	22 C	8.4	813	2.99	2.63	1.91	--	2.54	--	3.88	--	--	--		154	2.3			
					40	35	25													
08/07/85	5050	67 F	6.7	242	16	8.0	22	--	103	--	12	--	--	--		73	1.1			
1000	5050	19 C	8.5	246	.80	.66	.96	--	2.06	--	.34	--	--	--		0	1.6			
					33	27	40													
08/07/85	5050		7.2	544	32	18	48	--	200	--	48	--	--	--		174	1.7			
1215	5050		8.6	543	1.60	1.48	2.09	--	4.00	--	1.35	--	--	--		0	3.3			
					31	29	40													
08/07/85	5050		7.4	292	6.0	5.0	49	--	117	--	6.0	--	--	--		36	3.6			
1330	5050		8.5	297	.30	.41	2.13	--	2.34	--	.17	--	--	--		0	4.1			
					11	14	75													
08/07/85	5050	64 F	7.2	404	17	9.0	52	--	151	--	26	--	--	--		80	2.5			
1415	5050	29 C	8.5	395	.85	.74	2.26	--	3.02	--	.73	--	--	--		0	4.0			
					22	19	59													
	E-07 E-07.R E-07.R1		SUISUN HU FAIRFIELD HA RENTICIA HSA																	
07/17/85	5050		7.6	2228	189	59	211	--	444	--	311	--	--	--		715	3.4			
1345	5050		8.2	2200	9.43	4.85	9.18	--	8.87	--	8.77	--	--	--		271	9.8			
					40	21	39													
	E-07.R2		SUISUN CREEK HSA																	
07/16/85	5050	66 F	7.1	1360	102	52	89	--	305	--	152	--	--	--		469	1.8			
1515	5050	19 C	7.7	1290	5.09	4.28	3.87	--	6.09	--	4.29	--	--	--		164	4.6			
					38	32	29													
07/17/85	5050	64 F	7.3	542	44	18	56	--	197	--	15	--	--	--		184	1.8			
1030	5050	18 C	8.1	549	2.20	1.48	2.44	--	3.94	--	.42	--	--	--		0	3.7			
					36	24	40													
07/17/85	5050	66 F	7.1	940	85	34	72	--	371	--	29	--	--	--		352	1.7			
0915	5050	19 C	8.1	916	4.24	2.80	3.15	--	7.41	--	.82	--	--	--		0	4.3			
					42	28	31													
	E-07.R3		SUISUN SLU HSA																	
07/18/85	5050		8.1	2160	48	46	355	--	394	--	346	--	--	--		309	8.8			
1300	5050		8.6	2130	2.40	3.78	15.44	--	7.87	--	9.76	--	--	--		0	21.4			
					11	17	71													
07/18/85	5050		7.5	757	87	16	43	--	176	--	89	--	--	--		291	1.1			
1215	5050		8.4	739	4.34	1.48	1.87	--	3.52	--	2.51	--	--	--		115	2.4			
					56	19	24													
07/17/85	5050	65 F	7.3	1385	44	75	136	2.0	500	124	60	10.0	1.4	--	773	419	2.9			
1300	5050	18 C	8.1	1340	2.20	6.17	5.92	.05	9.99	2.62	1.64	.14	--	--	754	0	7.9			
					15	43	41	0	69	18	12	1								
07/17/85	5050		8.0	3680	76	92	528	2.1	293	18	966	.1	5.2	--	2020	568	9.6			
1445	5050		8.4	3620	3.79	7.57	22.97	.05	5.85	.37	27.24	.00	--	--	1863	276	24.2			
					11	22	67	C	17	1	81	0								
07/18/85	5050	64 F	7.5	767	74	25	52	--	254	--	82	--	--	--		288	1.3			
0930	5050	18 C	8.5	743	3.69	2.06	2.26	--	5.07	--	2.31	--	--	--		34	3.1			
					46	26	28													
07/17/85	5050	70 F	7.3	2625	127	54	309	--	217	--	598	--	--	--		940	5.8			
1530	5050	21 C	8.4	2580	6.34	4.44	13.44	--	4.34	--	16.86	--	--	--		322	13.9			
					26	18	55													

MINERAL ANALYSES OF GROUND WATER

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MINERAL ANALYSES OF GROUND WATER

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TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
					CA	MG	NA	K	CAC03	SO4	CL	NO3	TURB	SiO2	TDS SUM	TH NCH	SAR ASAP	DFM

	F-14		NORTH COAST WA															
	F-14.C		RUSSIAN RIVER MII															
	F-14.C1		UPPER RUSSIAN RIVER HA															
	12N/11W-02F01	M	UKTAH HSA															
08/21/85 1645	5050	65	F	7.2	393	40	22	12	--	185	--	4.0	--	--	--	191	0.4	
	5050	18	C	8.6	393	2.00	1.81	.52	--	3.70	--	.17	--	--	--	6	0.8	
					46		42	12										
	13N/11W-18D02	M																
08/21/85 1345	5050	63	F	7.1	501	27	48	16	.7	247	32	13	P.4	1.4	--	307	2.5	0.4
	5050	17	C	8.6	542	1.35	3.95	.70	.02	4.94	.67	.37	.14	--	--	295	1.8	1.0
					22		66	12	C	81	11	6	2					
	14N/12W-11N01	M																
08/21/85 1115	5050			7.1	411	30	28	11	--	159	--	12	--	--	--	190	0.3	
	5050			8.6	413	1.50	2.30	.48	--	3.18	--	.34	--	--	--	31	0.7	
					35		54	11										
	14N/12W-26K01	M																
08/21/85 1230	5050	67	F	6.5	557	35	39	18	--	213	--	33	--	--	--	248	0.5	
	5050	19	C	8.6	542	1.75	3.21	.78	--	4.26	--	.93	--	--	--	35	1.1	
					30		56	14										
	F-14.C2		COYOTE VALLEY HSA															
	17N/11W-17Q01	M																
08/20/85 1600	5050	62	F	6.3	306	28	16	10	.2	138	12	6.0	7.1	.2	--	179	13.6	0.4
	5050	17	C	8.5	310	1.40	1.32	.44	.01	2.76	.25	.17	.11	--	--	1.2	0	0.7
					44		42	14	C	84	8	5	3					
	17N/11W-29F01	M																
08/20/85 1515	5050	61	F	6.1	301	23	19	10	--	125	--	7.0	--	--	--	126	0.4	
	5050	16	C	8.5	304	1.15	1.56	.44	--	2.50	--	.20	--	--	--	11	0.7	
					37		50	14										
	F-14.C3		FORSYTHE CREEK HSA															
	16N/12W-05D01	M																
08/21/85 1000	5050	63	F	6.7	359	24	22	24	.4	167	9.0	20	.2	.0	--	219	15.1	0.8
	5050	17	C	8.6	381	1.20	1.81	1.04	.02	3.34	.17	.56	.00	--	--	199	0	1.6
					29		44	26	C	82	4	14	0					
	16N/12W-09Q01	M																
08/21/85 0900	5050			7.2	419	28	18	39	--	208	--	10	--	--	--	144	1.4	
	5050			8.6	421	1.40	1.48	1.70	--	4.16	--	.28	--	--	--	0	2.8	
					31		32	37										

MINERAL ANALYSES OF GROUND WATER

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TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			LABORATORY PH	EC	CA	MG	NA	K	CaCO3	SO4	CL	NO3	TURB	SiO2	TDS	TH	CaO	DEU
T-05 T-05.C CENTRAL COAST RR PAJARO RIVER HUI SOUTH SANTA CLARA VALLEY WA																		
10S/04E-17F01 M																		
07/15/85	2400	75 F	6.6	1550	84	55	154	.F	238	32	340	35.6	.24	.4	1042	444	3.2	
1159	2400	24 C	7.6	1622	4.32	4.57	6.70	.02	4.76	.67	9.59	.57	--	--	848	207	7.7	
					28	29	43	0	31	4	62	4						
10S/04E-18J01 M																		
07/22/85	2400	71.6 F	7.3	600	60	22	24	1.2	162	28	32	47.5	.17	.3	340	244	6.7	
1100	2400	22.0 C	7.5	567	3.00	1.88	1.04	.03	3.24	.59	.60	.77	--	--	312	82	1.4	
					50	32	17	1	59	11	16	14						
10S/04E-18J02 M																		
04/24/85	2400	64 F	6.3	550	--	.0	24	1.3	108	38	32	34.3	.11	.1	240	236		
0915	2400	18 C	7.6	541	--	.00	1.04	.03	3.96	.79	.90	.55	--	--				
							18		64	13	16	9						
10S/04E-28D02 M																		
07/15/85	2400	73.4 F	6.7	540	32	34	30	.F	104	17	24	39.6	.14	.3	332	220	6.9	
1145	2400	23.0 C	7.7	493	1.60	2.81	1.31	.02	3.88	.35	.96	.64	--	--	304	27	1.9	
					28	49	23	0	67	6	16	11						
10S/04E-29F01 M																		
04/29/85	2400	64 F	6.5	430	--	--	14	.F	190	44	19	32.1	.2	.2	299	230		
1230	2400	18 C	7.8	447	--	--	.61	.02	3.80	.92	.54	.52	--	--				
							12		66	16	9	9						
10S/04E-31A01 M																		
06/22/85	2400	64 F	6.6	630	--	--	22	.F	256	77	26	44.3	.28	.1	440	362		
1020	2400	18 C	7.2	702	--	--	.96	.02	5.11	1.60	.73	.80	--	--				
							12		62	10	9	10						
10S/04E-32H01 M																		
05/01/85	2400	66 F	6.9	460	--	--	23	1.4	192	63	34	23.8	.2	.2	305	204		
0945	2400	19 C	7.5	515	--	--	1.00	.04	3.84	1.31	.96	.38	--	--				
							20		59	20	15	6						
10S/04E-34L05 M																		
04/22/85	2400	64 F	6.3	860	--	--	44	1.2	172	60	70	76.1	.20	.2	526	284		
0920	2400	18 C	7.1	797	--	--	2.13	.03	3.44	1.25	1.97	1.23	--	--				
							29		44	16	25	16						
07/15/85	2400	64.4 F	6.3	860	71	45	52	1.1	268	53	63	70.4	.20	.4	565	266	1.2	
	2400	18.0 C	7.3	880	3.56	3.77	2.21	.03	5.35	1.10	1.78	1.14	--	--	518	90	2.0	
					37	39	23	0	57	12	19	12						
11S/03E-02F01 M																		
04/23/85	2400	64 F	6.3	400	92	12	17	1.0	156	42	21	6.2	.11	.1	249	180	0.6	
0910	2400	18 C	7.8	400	4.59	1.00	.74	.02	3.12	.87	.50	.10	--	--	286	124	1.1	
							17		67	10	12	2						
11S/04E-04P03 M																		
04/25/85	2400	64 F	7.2	530	--	--	30	1.6	206	38	23	27.3	.13	.1	323	206		
0915	2400	18 C	8.0	506	--	--	1.31	.04	4.12	.79	.65	.44	--	--				
							24		60	13	11	7						
11S/04E-06R01 M																		
04/25/85	2400	66 F	6.8	480	--	--	22	.F	196	34	26	27.7	.11	.1	300	204		
1025	2400	19 C	7.7	477	--	--	.96	.02	3.72	.71	.71	.45	--	--				
							16		67	13	13	8						
07/23/85	2400	66.2 F	7.3	470	44	22	21	.F	144	29	20	31.2	.15	.2	285	204	0.6	
0900	2400	19.0 C	7.6		2.20	1.88	.91	.02	3.28	.60	.56	.57	--	--	271	40	1.3	
					44	38	18	0	65	12	11	11						
11S/04E-08K01 M																		
05/06/85	2400	64 F	6.3	690	--	--	23	.F	238	77	29	1.2	.2	.2	411	214		
1025	2400	18 C	7.3	634	--	--	1.00	.02	4.76	1.60	.82	.02	--	--				
							14		66	22	11	0						
11S/04E-10D04 M																		
04/30/85	2400	63 F	6.9	1020	--	--	35	1.5	314	145	10	106	.3	.1	635	452		
0940	2400	17 C	7.7	982	--	--	1.52	.04	6.27	3.02	.28	1.72	--	--				
							14		56	27	2	15						
11S/04E-10D05 M																		
04/23/85	2400	64 F	6.4	800	--	--	21	1.8	306	87	27	79.2	.26	.1	429	382		
1045	2400	18 C	7.6	821	--	--	.91	.04	6.11	1.81	.76	1.28	--	--				
							11		61	18	8	13						
11S/04E-15P01 M																		
05/02/85	2400	68 F	7.1	600	--	--	29	1.3	220	48	24	35.6	.2	.2	376	232		
1610	2400	20 C	7.8	576	--	--	1.26	.03	4.40	1.00	.68	.57	--	--				
							21		66	15	10	9						
11S/04E-17L05 M																		
04/29/85	2400	64 F	6.8	470	--	--	19	.F	164	38	18	10.6	.2	.1	290	204		
1040	2400	18 C	7.9	444	--	--	.63	.02	3.68	.79	.51	.17	--	--				
							17		71	15	10	3						
T-06 ROLSA NUEVA HUI																		
12S/03E-33H01 M																		
09/17/85	5115				80	24	163	3.7	220	.0	260	--	--	--	290	4.2		
	5115		7.6	1185	3.99	1.97	7.06	.06	4.40	.00	7.33	--	--	--	664	76	9.2	
					30	15	54	1										
13S/02E-10G02 M																		
09/04/85	5115				30	17	60	2.5	112	.0	97	6.4	--	--	144	2.2		
	5115		7.4	535	1.50	1.40	2.61	.04	2.24	.12	2.74	.14	--	--	282	33	3.7	
					27	25	47	1	43	2	52	3						

MINERAL ANALYSES OF GROUND WATER

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TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER					
			LABORATORY PH	EC	CA	MG	NA	K	MILLIEQUIVALENTS PER LITER				TDS	TH	SAP	PFM		
									PERCENT	REACTANCE	VALUE							

	T		CENTRAL COAST HA															
	T-09		SALINAS HW															
	T-09.A		LOWER SALINAS VALLEY HA															
	13S/02E-29C02 M																	
07/23/85	5115				192	31	193	4.6	158		78	330	1.3	--	--		630	3.3
	5115	7.5	1455	9.58	2.55	8.40	.12	3.16	1.62	9.31	.02	--	--		925	449	7.9	
				46	12	41	1	22	11	66	0							
	13S/02E-29M02 M																	
08/30/85	5115				320	99	264	8.1	172		65	950	2.7	--	--		1180	3.3
	5115	7.3	3250	15.97	8.14	11.48	.21	3.44	1.35	26.79	.04	--	--		1812	1034	8.7	
				45	23	32	1	11	4	85	0							
	13S/02E-30H01 M																	
08/30/85	5115				520	197	480	8.7	138		120	1925	1.3	--	--		2100	4.6
	5115	7.3	5860	25.95	16.20	20.88	.22	2.76	2.50	54.29	.02	--	--		3335	1971	12.1	
				41	26	33	0	5	4	91	0							
	13S/02E-32M01 M																	
08/30/85	5115				16	3.0	175	4.3	164		29	180	--	--	--		60	9.8
	5115	8.1	905	.80	.25	7.61	.11	3.28	.60	5.08	--	--	--		506	0	14.1	
				9	3	87	1											
	13S/02E-32N01 M																	
08/29/85	5115				47	14	67	3.9	164		17	69	2.7	--	--		168	2.2
	5115	7.4	585	2.35	1.15	2.91	.10	3.48	.35	1.95	.04	--	--		321	0	4.4	
				36	19	45	2	61	6	32	1							
	13S/02E-33R01 M																	
08/05/85	5115				124	43	99	5.2	184		84	245	24.4	--	--		490	1.9
	5115	7.1	1275	6.19	3.54	4.21	.13	3.68	1.75	6.01	.39	--	--		735	203	4.6	
				44	25	30	1	29	14	54	3							
	14S/02E-03K02 M																	
07/23/85	5115				42	12	72	3.8	184		18	61	2.7	--	--		148	2.6
	5115	7.4	565	2.10	.99	3.13	.10	3.68	.37	1.72	.04	--	--		322	0	4.9	
				33	16	50	2	63	5	30	1							
	14S/02E-06L01 M																	
08/28/85	5115				17	4.0	167	5.3	158		27	163	1.6	--	--		66	8.9
	5115	8.2	870	.85	.33	7.26	.14	3.16	.77	4.60	.03	--	--		490	0	13.1	
				10	4	85	2	37	9	54	0							
	14S/02E-05F02 M																	
08/05/85	5115				42	13	74	4.1	174		28	63	2.7	--	--		152	2.6
	5115	7.6	560	2.10	1.07	3.22	.10	3.48	.59	1.78	.04	--	--		331	0	4.9	
				32	16	50	2	59	10	30	1							
	14S/02E-07K01 M																	
08/28/85	5115				33	12	77	4.0	164		31	59	3.1	--	--		132	2.9
	5115	7.4	555	1.65	.99	3.35	.10	3.28	.65	1.65	.05	--	--		417	0	5.3	
				27	16	55	2	58	12	29	1							
	14S/02E-08C03 M																	
08/29/85	5115				36	11	60	3.9	162		25	45	2.7	--	--		136	2.2
	5115	7.4	490	1.80	.90	2.61	.10	3.24	.54	1.27	.04	--	--		282	0	4.1	
				33	17	48	2	64	11	25	1							
	14S/02E-10C01 M																	
08/05/85	5115				27	13	70	3.7	154		26	54	--	--	--		116	2.8
	5115	7.4	530	1.35	1.07	3.05	.09	3.28	.54	1.52	--	--	--		292	0	2.0	
				24	19	55	2											
	14S/02E-11D01 M																	
08/01/85	5115				184	65	132	5.4	266		130	380	66.5	--	--		720	2.1
	5115	6.9	1860	9.18	5.35	5.74	.14	5.31	7.71	10.72	1.07	--	--		1122	461	5.7	
				45	26	28	1	27	14	54	5							
	14S/02E-22N01 M																	
08/30/85	5115				66	19	53	4.2	154		94	71	5.3	--	--		244	1.5
	5115	7.5	700	3.29	1.56	2.31	.11	3.08	1.96	2.00	.09	--	--		405	56	3.0	
				45	21	37	2	43	27	26	1							
	14S/02E-22C01 M																	
07/22/85	5115				67	17	51	4.3	170		94	49	--	--	--		232	1.7
	5115	7.3	640	3.09	1.43	2.65	.11	3.40	2.04	1.38	--	--	--		394	55	3.6	
				43	19	37	2											
	14S/02E-24E01 M																	
07/22/85	5115				83	30	91	5.7	254		49	132	10.2	--	--		220	2.2
	5115	7.4	975	4.14	2.47	3.96	.15	5.11	1.23	3.72	.16	--	--		564	75	5.2	
				39	23	37	1	50	12	35	2							
	14S/02E-36E01 M																	
07/22/85	5115				209	66	181	8.4	368		560	168	--	--	--		780	2.8
	5115	7.2	1955	9.98	5.43	7.87	.21	7.35	11.66	5.30	--	--	--		1425	403	7.9	
				42	23	34	1											
	14S/02E-36G01 M																	
07/22/85	5115				51	10	36	4.1	256		79	15	--	--	--		154	1.2
	5115	7.4	425	2.54	.82	1.57	.10	5.11	1.64	.42	--	--	--		349	0	2.6	
				50	16	31	2											
	14S/03E-20C01 M																	
07/24/85	5701	70 F			38	13	40	2.0	150		17	51	5.0	--	.4		301	150
	1415	21 C	7.2	490	1.90	1.74	.05	3.00	.35	1.44	.06	--	45.0				301	0
					40	22	37	1	62		7	30	2					
	14S/03E-20001 M																	
08/06/85	5115				42	11	66	3.5	160		26	55	2.7	--	--		144	2.4
	5115	7.3	525	2.10	.90	2.87	.04	3.20	.54	1.55	.04	--	--		302	0	4.4	
				35	15	48	2	60	10	20	1							

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				DEM		
				CA	MG	NA	K	CACG3	SO4	CL	NO3	TURR	SI02	TDS SUM	TH NCH		SAR ASAR	

T		CENTRAL COAST WA																
T-09		SALINAS HILL																
T-09.A		LOWER SALINAS VALLEY WA																
14S/03E-20M02 M																		
07/25/85	5701			42	16	41	2.1	164	20	61	4.0	--	.1	324	172	1.4		
1502	5701		7.2	515	2.10	1.32	1.78	.05	3.28	.42	1.72	.06	--	39.0	323	7		
14S/03E-25L02 M																		
06/20/85	5115			53	20	78	2.9	166	10	110	11.1	--	--		216	2.3		
5115	5115		7.1	710	2.64	1.64	3.39	.67	3.32	.21	3.10	.18	--	385	48	4.6		
14S/03E-28F02 M																		
08/01/85	5115			61	16	51	3.8	148	42	72	7.5	--	--		220	1.5		
5115	5115		7.3	595	3.04	1.32	2.22	.10	2.96	.97	2.03	.12	--	342	70	3.0		
14S/03E-29C01 M																		
07/23/85	5701			40	19	47	2.2	150	27	60	6.0	--	.4	340	180	1.5		
1400	5701		7.4	555	2.00	1.56	2.04	.06	3.20	.56	1.69	.10	--	43.0	340	18		
14S/03E-31L01 M																		
07/24/85	5701	70 F		52	15	42	3.3	136	103	.29	2.0	--	.2	366	190	1.3		
1429	5701	21 C	7.5	570	2.59	1.23	1.83	.06	2.72	2.14	.82	.03	--	39.0	367	55		
14S/03E-33G01 M																		
06/20/85	5701	70 F		96	45	75	2.9	229	154	131	33.0	--	.3	712	426	1.6		
1320	5701	21 C	7.0	1150	4.79	3.70	3.26	.07	4.58	3.21	3.69	.53	--	39.0	713	196		
14S/03E-33Q01 M																		
06/20/85	5701	68 F		98	62	86	3.6	275	22	122	30.0	--	.3	837	498	1.7		
1600	5701	20 C	7.3	1330	4.89	5.10	3.74	.09	5.49	.47	3.44	.48	--	43.0	632	225		
15S/02E-12E02 M																		
07/22/85	5115			132	43	119	5.6	346	240	93	6.2	--	--		510	2.3		
5115	5115		7.3	1250	6.59	3.54	5.18	.14	6.91	5.30	2.62	.10	--	846	161	6.0		
15S/02E-25C01 M																		
07/23/85	5701			46	15	77	4.5	138	51	110	12.0	--	.3	451	174	2.5		
1445	5701		6.9	760	2.30	1.23	3.35	.12	2.76	1.06	3.10	.19	--	54.0	452	39		
15S/03E-02G01 M																		
05/15/85	5701	70 F		32	12	41	1.6	123	18	55	11.0	--	--	329	128	1.6		
5701	5701	21 C	7.6	420	1.66	.99	1.78	.04	2.46	.37	1.55	.18	--	244	7	2.7		
15S/03E-03N02 M																		
10/10/84	5701	68 F		107	43	93	5.6	260	235	84	44.0	--	.3	809	446	2.0		
1525	5701	20 C	7.5	1229	5.34	3.54	4.13	.14	5.19	4.89	2.37	.71	--	39.0	808	185		
15S/03E-04Q01 M																		
07/25/85	5701			60	27	56	3.2	140	164	39	2.0	--	.2	478	260	1.5		
1522	5701		7.6	705	2.99	2.22	2.44	.08	3.20	3.44	1.10	.03	--	30.0	478	101		
15S/03E-05C02 M																		
06/20/85	5701	70 F		75	24	57	3.4	182	171	49	2.0	--	.1	528	284	1.5		
1320	5701	21 C	7.4	815	3.74	1.97	2.46	.06	3.64	3.56	1.38	.03	--	35.0	527	104		
15S/03E-06F02 M																		
06/21/85	5115			52	10	34	4.2	130	75	12	1.3	--	--		168	1.1		
5115	5115		7.6	430	2.59	.82	1.48	.11	2.60	1.56	.34	.02	--	266	41	2.1		
15S/03E-08C06 M																		
08/26/85	5115			50	11	26	3.5	128	70	13	--	--	--		180	0.9		
5115	5115		7.5	410	2.50	.90	1.22	.09	2.56	1.45	.37	--	--	253	42	1.7		
15S/03E-09H01 M																		
07/18/85	5115			100	59	142	5.4	362	335	75	7.5	--	--		470	2.9		
5115	5115		7.1	1370	4.09	4.85	6.18	.14	7.23	6.97	2.12	.12	--	941	131	7.5		
15S/03E-09K01 M																		
07/18/85	5115			110	48	146	5.6	358	335	58	1.8	--	--		460	3.0		
5115	5115		7.4	1330	5.49	3.95	6.35	.15	7.15	6.97	1.64	.03	--	919	115	7.7		
15S/03E-16A03 M																		
07/18/85	5115			52	13	29	4.2	142	77	18	--	--	--		144	0.9		
5115	5115		7.5	465	2.59	1.07	1.26	.11	2.84	1.60	.51	--	--	279	41	1.8		
15S/03E-16M01 M																		
06/20/85	5115			150	48	130	6.2	366	250	103	6.2	--	--		540	2.4		
5115	5115		7.1	1320	7.49	3.95	5.66	.16	7.31	5.21	2.90	.10	--	913	207	6.5		
15S/03E-22G01 M																		
07/18/85	5115			112	45	93	7.1	310	260	54	24.4	--	--		450	1.9		
5115	5115		7.2	1135	5.59	3.70	4.05	.18	6.19	5.41	1.52	.39	--	781	185	4.9		

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GRIND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
			LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SiO2	TDS	TH	SAP	PFM	
T		CENTRAL COAST HA																	
T-09		SALINAS HU																	
T-09.A		LOWER SALINAS VALLEY HA																	
08/05/85	5115																		
	5115	7.5	695	4.14	1.89	1.65	.12	4.32	2.71	.87	--	--	--	440	300	1.0			
					53	24	21	7									2.2		
08/05/85	5115																		
	5115	7.3	800	5.34	2.38	2.35	.12	5.03	3.33	.62	.03	--	--	537	364	1.2			
				52	23	23	1	55	36	9	0					2.0			
09/18/85	5115																		
	5115	7.1	645	3.34	1.23	2.57	.03	5.35	.12	1.21	.29	--	--	370	228	1.7			
				47	17	36	0	77	2	17	4				0	2.0			
07/16/85	5115																		
	5115	7.4	550	2.50	1.56	1.78	.09	3.00	2.33	.71	--	--	--	341	188	1.3			
				42	26	30	2								53	2.0			
07/16/85	5115																		
	5115	7.4	575	2.69	1.32	2.44	.12	2.84	2.62	.79	.04	--	--	372	192	1.6			
				41	20	37	2	45	42	13	1				50	3.4			
08/26/85	5115																		
	5115	7.4	1110	5.39	4.11	4.13	.11	6.43	5.41	1.41	.04	--	--	763	480	1.0			
				39	30	30	1	48	41	11	0				154	4.0			
07/16/85	5115																		
	5115	7.2	1775	6.19	6.50	7.74	.13	6.30	6.54	4.09	1.04	--	--	1235	630	2.1			
				30	32	36	1	31	41	20	8				315	6.2			
T-09.A		CHIJLAP HA																	
07/19/85	5115																		
	5115	7.2	540	2.40	1.15	1.63	.07	4.00	.25	1.07	.35	--	--	208	172	1.4			
				44	21	34	1	71	4	19	6				0	2.8			
08/21/85	5115																		
	5115	7.3	580	2.30	1.23	3.00	.12	2.20	1.04	1.47	.09	--	--	338	172	2.3			
				35	18	45	2	55	18	25	2				17	4.4			
09/23/85	5115																		
	5115	7.1	660	3.04	1.64	2.30	.08	2.28	.67	2.03	1.64	--	--	413	224	1.6			
				43	23	33	1	34	10	31	25				120	3.0			
08/08/85	5115																		
	5115	6.9	465	1.90	1.07	2.09	.08	2.40	.27	1.55	.30	--	--	261	146	1.7			
				37	21	41	2	53	6	34	7				29	2.0			
08/29/85	5115																		
	5115	6.9	735	3.29	1.97	2.57	.10	2.72	.92	2.09	.54	--	--	418	256	1.6			
				41	25	32	1	38	13	42	8				127	3.2			
08/08/85	5115																		
	5115	6.9	565	2.45	1.56	2.18	.08	2.56	.42	1.75	.86	--	--	333	200	1.5			
				39	25	35	1	46	8	31	15				73	2.9			
08/08/85	5115																		
	5115	7.0	1625	6.69	4.77	6.87	.15	4.56	2.00	6.01	2.57	--	--	1017	540	2.9			
				36	26	37	1	28	15	42	16				345	7.2			
08/20/85	5115																		
	5115	7.4	1805	6.13	5.67	8.05	.17	6.23	6.21	6.20	1.07	--	--	1107	680	2.1			
				37	26	37	1	32	32	31	5				379	8.3			
T-09.C		SOLEDAO HA																	
07/11/85	5115																		
	5115	7.1	890	2.69	2.22	4.05	.12	2.80	.70	4.37	.20	--	--	473	224	2.7			
				30	24	45	1	34	10	53	4				106	5.3			
07/11/85	5115																		
	5115	7.4	1465	5.79	5.18	6.44	.13	6.11	7.50	2.14	1.43	--	--	1047	530	2.6			
				33	30	37	1	36	44	12	8				243	7.2			
07/11/85	5115																		
	5115	7.5	915	5.04	3.29	2.65	.11	5.83	3.64	.90	.13	--	--	595	404	1.3			
				45	30	24	1	56	35	9	1				125	3.3			
08/21/85	5115																		
	5115	7.4	1165	4.64	2.96	5.39	.15	3.36	2.60	5.08	.33	--	--	686	380	2.8			
				35	22	41	1	30	23	45	3				212	6.1			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				REMARKS	
				CA	MG	NA	K	CaCO3	SO4	CL	NO3	TURB	SiO2	TDS	TH		ASAP
CENTRAL COAST WA																	
T-09																	
T-09.C																	
17S/05F-14A01 M																	
07/11/85	5115			75	46	61	3.9	232	235	60	38.1	--	--		360	1.9	
	5115	7.4	1060	3.74	3.78	3.52	.10	4.64	4.89	1.69	.61	--	--	478	144	4.4	S
17S/05E-36F02 M																	
07/10/85	5115			115	40	69	5.2	238	240	52	93.0	--	--		450	1.4	
	5115		1130	3.74	3.29	3.00	.13	4.76	5.00	1.47	1.50	--	--	757	214	3.5	S
17S/06E-16N01 M																	
07/11/85	5115			94	42	131	5.2	194	265	110	19.5	--	--		400	2.9	
	5115	7.4	1105	4.69	3.45	5.70	.13	3.88	5.52	3.10	.31	--	--	783	213	4.5	S
17S/06E-18G01 M																	
07/11/85	5115			90	32	84	4.2	174	200	62	3.5	--	--		324	2.0	
	5115	7.4	880	3.99	2.63	3.65	.11	3.48	4.15	1.75	.06	--	--	570	157	4.4	S
17S/06E-20Q02 M																	
07/08/85	5115			112	69	146	4.5	266	340	132	40.8	--	--		560	2.7	
	5115		1475	5.59	5.67	6.35	.12	5.31	7.08	3.72	.66	--	--	1004	298	6.8	S
17S/06E-27E03 M																	
07/10/85	5115			70	41	125	3.8	228	205	74	34.6	--	--		350	2.9	
	5115		1050	3.49	3.37	5.44	.10	4.56	4.27	2.09	.55	--	--	650	115	6.7	S
18S/06E-02N01 M																	
07/10/85	5115			96	26	64	5.3	174	190	30	44.3	--	--		344	1.5	
	5115		830	4.74	2.14	2.78	.14	3.48	3.96	1.10	.71	--	--	540	173	3.3	S
18S/06E-07A01 M																	
07/10/85	5115			102	31	67	4.4	196	90	117	43.4	--	--		400	1.5	
	5115		945	5.09	2.55	2.91	.11	3.92	1.87	3.30	.70	--	--	572	186	3.4	S
18S/06E-14A01 M																	
07/10/85	5115			69	12	22	3.6	120	65	7.0	3.1	--	--		164	0.7	
	5115		370	2.45	.99	.96	.09	2.40	1.35	.20	.05	--	--	234	52	1.3	S
18S/06E-21Q01 M																	
07/09/85	5115			118	30	48	5.0	134	100	135	43.4	--	--		408	1.3	
	5115		940	5.99	2.47	2.05	.13	2.68	2.04	3.81	.70	--	--	860	264	2.2	S
18S/06E-25F01 M																	
07/09/85	5115			27	11	48	3.8	132	57	7.0	14.5	--	--		116	1.9	
	5115		440	1.35	.90	2.09	.10	2.44	1.39	.20	.24	--	--	254	0	3.3	S
18S/06E-22J01 M																	
07/09/85	5115			102	23	42	4.4	140	108	81	43.4	--	--		340	1.0	
	5115		790	5.09	1.89	1.83	.12	2.80	2.25	2.29	.70	--	--	488	209	2.1	S
18S/07E-19G02 M																	
08/12/85	5115			316	126	206	4.5	300	600	230	56.5	--	--		1280	2.5	
	5115	7.5	2550	15.77	10.36	8.96	.15	5.99	16.66	6.49	1.07	--	--	1931	1008	7.2	C
18S/07E-20M01 M																	
07/08/85	5115			206	95	174	4.4	298	590	175	73.1	--	--		560	2.4	
	5115		2090	10.28	7.61	7.57	.16	5.95	12.29	4.94	1.18	--	--	1498	507	7.1	C
18S/07E-32F02 M																	
07/05/85	5115			170	70	157	5.3	302	355	155	55.4	--	--		650	2.7	
	5115		1660	6.48	5.76	6.83	.14	6.03	7.39	4.37	.89	--	--	1140	411	7.1	C
19S/06E-01M01 M																	
07/08/85	5115			98	24	64	5.4	200	150	30	44.3	--	--		336	1.5	
	5115		830	4.89	1.97	2.78	.14	4.00	3.12	1.10	.71	--	--	545	143	3.4	S
UPPER SALINAS VALLEY WA																	
T-09.0																	
19S/07E-13N03 M																	
07/05/85	5115			156	96	284	5.4	352	600	125	177	--	--		740	4.8	
	5115		2180	7.78	7.90	12.35	.14	7.03	12.49	3.53	2.96	--	--	1655	433	12.3	C
19S/07E-20A01 M																	
07/05/85	5115			45	37	100	5.5	222	205	95	4.4	--	--		350	2.5	
	5115		1045	4.24	3.04	4.74	.14	4.44	4.27	2.68	.07	--	--	576	142	5.9	S
19S/07E-23F01 M																	
07/05/85	5115			102	42	87	3.7	202	180	118	35.4	--	--		396	1.9	
	5115		1085	5.09	3.45	3.78	.09	4.04	3.75	3.33	.57	--	--	680	225	4.4	S
20S/08E-06A01 M																	
07/03/85	5115			64	32	66	2.4	236	112	25	23.9	--	--		284	1.7	
	5115		715	3.19	2.63	2.87	.06	4.72	2.33	.79	.39	--	--	470	55	3.0	S

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CaCO3	SO4	CL	NO3	TURB	SiO2	TDS	TH	SAP	DEP
CENTRAL COAST HA																	
T-09																	
T-09.0																	
SALINAS VALLEY HA																	
20S/09E-08C02 M																	
06/26/85	5701			47	20	41	1.7	166	78	24	6.0	--	.2	352	198	1.3	
1000	5701		7.7 600	2.35	1.64	1.78	.04	3.32	1.62	.68	.10	--	35.0	353	34	2.6	
				40	28	31	1	58	28	12	2						
20S/09E-08Q02 M																	
06/26/85	5701			82	38	63	1.9	257	184	34	26.0	--	.2	617	249	1.4	
0930	5701		7.5 1000	4.09	3.13	2.74	.05	5.13	3.83	.96	.42	--	34.0	617	105	2.5	
				41	31	27	0	50	37	9	4						
20S/09E-15H03 M																	
07/03/85	5115			60	20	42	2.3	160	82	21	6.6	--	--		208	1.3	
	5115		520	2.99	1.64	1.85	.06	3.20	1.71	.59	.11	--	--	330	72	2.5	
				46	25	26	1	57	30	11	2						
20S/09E-17K03 M																	
08/12/85	5115			80	30	74	2.6	210	146	54	9.7	--	--		312	1.8	
	5115		7.4 795	3.99	2.47	3.22	.07	4.20	3.04	1.52	.16	--	--	522	113	4.1	
				41	25	33	1	47	34	17	2						
20S/09E-25001 M																	
07/03/85	5115			140	69	175	3.9	258	510	125	75.3	--	--		620	3.1	
	5115		1630	6.99	5.67	7.61	.10	5.15	10.62	3.53	1.21	--	--	1253	376	7.8	
				34	28	37	0	25	52	17	6						
20S/09E-34G01 M																	
07/08/85	5115			62	22	39	2.7	92	50	101	30.1	--	--		256	1.1	
	5115		630	3.09	1.81	1.70	.07	1.84	1.04	2.85	.49	--	--	362	153	1.9	
				46	27	25	1	30	17	46	8						
20S/09E-36R01 M																	
08/14/85	5115			122	49	111	3.3	244	300	80	33.7	--	--		480	2.3	
	5115		7.1 1185	6.09	4.03	4.83	.08	4.88	6.25	2.26	.54	--	--	945	242	7.4	
				41	27	32	1	35	45	15	4						
21S/09E-15J01 M																	
08/12/85	5115			116	95	465	33	526	890	130	137	--	--		750	7.7	
	5115		6.9 2720	5.79	7.81	21.10	.86	10.51	17.70	3.67	2.21	--	--	2162	155	22.2	
				16	22	59	2	31	52	11	6						
21S/09E-15001 M																	
09/14/85	5115			73	29	50	2.7	152	165	40	8.9	--	--		280	1.3	
	5115		7.6 695	3.64	2.38	2.18	.07	3.04	3.44	1.13	.14	--	--	480	140	2.7	
				44	29	26	1	39	44	15	2						
21S/09E-22J01 M																	
09/13/85	5115			54	18	30	2.4	148	67	16	1.8	--	--		190	0.9	
	5115		7.5 445	2.69	1.48	1.31	.06	2.96	1.39	.45	.03	--	--	270	61	1.8	
				49	27	24	1	41	29	9	1						
21S/09E-24L01 M																	
08/14/85	5115			296	119	290	7.9	284	1150	180	53.2	--	--		1130	3.9	
	5115		7.2 2710	14.77	9.79	12.62	.20	6.67	23.94	5.08	.86	--	--	2246	945	10.5	
				40	26	34	1	16	67	14	2						
22S/10E-34G01 M																	
07/03/85	5115			69	32	135	5.5	244	106	168	6.2	--	--		310	3.3	
	5115		1145	3.44	2.63	5.67	.14	4.86	2.21	4.74	.10	--	--	668	40	7.7	
				28	22	49	1	41	19	60	1						
T-09.E																	
MONTEREY PENINSULA HA																	
14S/02E-17A01 M																	
09/09/85	5115			50	15	52	3.5	154	62	49	3.5	--	--		184	1.7	
	5115		7.2 565	2.50	1.23	2.26	.10	3.08	1.29	1.38	.05	--	--	328	33	3.2	
				41	20	37	2	63	20	24	1						
15S/02E-25001 M																	
07/23/85	5701			46	15	77	4.5	138	51	110	12.0	--	.3	451	174	2.5	
1446	5701		6.9 760	2.30	1.23	2.35	.12	2.76	1.06	3.10	.19	--	46.0	452	39	4.7	
				33	18	48	2	39	15	44	3						
16S/02E-03J01 M																	
09/19/85	5115			88	14	82	3.5	192	52	124	8.9	--	--		284	2.1	
	5115		7.1 845	4.39	1.15	3.57	.10	3.84	1.08	3.50	.14	--	--	488	45	4.4	
				48	12	39	1	45	13	41	2						
16S/02E-10001 M																	
09/19/85	5115			93	23	114	4.5	222	128	154	2.1	--	--		340	2.7	
	5115		7.2 1060	4.64	1.89	4.96	.12	4.44	2.66	4.34	.05	--	--	653	105	6.2	
				40	16	43	1	39	23	34	0						
16S/02E-15P01 M																	
09/18/85	5115			170	39	220	6.2	256	350	255	5.8	--	--		620	3.8	
	5115		6.8 1895	8.93	3.21	5.57	.16	7.31	7.29	7.19	.09	--	--	1275	242	10.3	
				41	15	44	1	33	33	33	0						
T-09.G																	
GABRIEL RANGE HA																	
20S/09E-28P01 M																	
08/12/85	5115			148	56	318	14	140	390	490	28.8	--	--		620	5.4	
	5115		7.6 2350	7.39	4.61	13.83	.36	2.80	6.17	13.82	.46	--	--	1529	460	12.6	
				28	18	53	1	11	32	54	2						
23S/10E-02J01 M																	
08/12/85	5115			54	20	42	2.8	174	76	25	1.3	--	--		224	1.2	
	5115		7.4 545	2.69	1.64	1.83	.07	3.48	1.58	.71	.02	--	--	325	43	2.5	
				43	26	29	1	60	27	12	0						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				REMARKS
					CA	MG	NA	K	PERCENT CACO3	REACTANCE SO4	CL	NO3	TURB	SiO2	TDS SUM	TH NCH	SAR ASAR				

		T		CENTRAL COAST HR																	
		T-09		SALINAS HU																	
		T-09.H		PASO ROBLES HA																	
		24S/11E-25N01 M																			
07/02/85	5117	72.5F			58	24	58	2.4	172	79	56	44.0	.2	.5	495	243	1.6				
0945	0000	22.5C	7.8	729	2.89	1.97	2.52	.06	3.44	1.42	1.58	.71	--	--	424	71	3.4				
		24S/11E-34A01 M																			
07/02/85	5117	73 F			14	6.0	320	2.8	346	214	135	.0	2.1	.5	959	60	18.0				
0905	0000	23 C	8.3	1490	.70	.49	13.92	.07	6.91	4.46	3.81	.00	--	--	901	0	30.7				
		24S/11E-35N01 M																			
07/02/85	5117	76.1F			22	12	275	3.8	296	203	132	9.0	2.7	.5	859	106	11.7				
0845	0000	24.5C	8.3	1480	1.10	.99	11.96	.10	5.91	4.23	3.72	.15	--	--	837	0	22.2				
		24S/11E-35E01 M																			
07/02/85	5117	76.1F			26	11	300	3.2	316	217	147	4.2	2.1	.5	954	110	12.4				
0905	0000	24.5C	8.2	1490	1.30	.90	13.05	.08	6.31	4.52	4.15	.07	--	--	900	0	24.1				
		25S/11E-09M01 M																			
07/02/85	5117	68.9F			46	17	14	1.0	153	44	12	1.5	.1	.3	263	185	0.4				
0930	0000	20.5C	8.2	437	2.30	1.40	.61	.03	3.06	.92	.34	.02	--	--	227	32	0.9				
		26S/13E-10N02 M																			
04/25/85	5117	0 F			64	51	90	2.8	276	141	78	38.4	.6	.3	692	369	2.0				
1530	5050	18 C	8.2	1090	3.19	4.19	3.92	.07	5.51	2.94	2.20	.62	--	--	631	94	5.0				
		27S/13E-09K01 M																			
04/24/85	5117	86 F			9.0	2.0	202	3.3	297	91	50	2.9	.8	1.5	535	30	16.0		E		
1230	5055	30 C	8.4	823	.45	.16	8.79	.08	5.93	1.89	1.41	.08	--	--	539	0	22.3				
		27S/13E-36R01 M																			
04/24/85	5117	83 F			72	11	45	2.9	156	104	31	9.3	.0	.4	468	224	1.3		F		
1430	5050	28 C	8.0	645	3.59	.90	1.96	.07	3.12	2.17	.87	.15	--	--	369	69	2.6		T		
		27S/14E-11R01 M																			
04/24/85	5117	86 F			47	5.0	34	2.8	128	25	22	16.0	.1	.4	311	138	1.3		F		
1330	5050	30 C	8.2	426	2.35	.41	1.46	.07	2.56	.52	.79	.29	--	--	237	10	2.2		T		
		27S/14E-25J01 M																			
04/23/85	5117	70 F			28	4.0	30	2.2	120	21	15	11.1	.1	.3	209	86	1.8				
1530	5050	21 C	8.1	331	1.40	.33	1.70	.06	2.40	.44	.42	.18	--	--	192	0	2.8				
		27S/14E-29F01 M																			
04/24/85	5117	86 F			68	17	30	2.8	176	12	58	38.0	.1	.7	423	240	0.8		T		
1300	5050	30 C	8.1	610	3.39	1.40	1.31	.06	3.52	.25	1.64	.61	--	--	331	64	1.8				
		27S/15E-35F01 M																			
04/23/85	5117	75 F			30	5.0	26	1.6	92	33	16	7.3	.1	.2	181	100	1.1				
1400	5055	24 C	8.1	309	1.50	.49	1.13	.04	1.84	.69	.45	.12	--	--	175	9	1.7				
		27S/16E-07P01 M																			
04/23/85	5117	75 F			120	38	531	4.8	210	613	530	18.6	2.3	1.2	2000	456	10.8				
1000	5050	24 C	7.9	3050	5.99	3.13	23.16	.12	4.20	12.74	14.95	.30	--	--	1984	246	24.7				
		28S/13E-13N01 M																			
04/24/85	5117	82 F			55	15	50	2.6	172	46	54	7.2	.1	.5	404	198	1.5				
1115	5055	28 C	8.3	617	2.74	1.23	2.18	.07	3.44	.96	1.52	.12	--	--	333	27	3.1				
		28S/15E-24F02 M																			
04/23/85	5117	75 F			34	2.0	18	1.0	88	7.0	19	14.0	.1	.3	182	93	0.8				
1300	5050	24 C	8.0	294	1.70	.16	.78	.03	1.76	.15	.54	.23	--	--	148	5	1.2				
		29S/14E-05M03 M																			
04/24/85	5117	80 F			34	12	31	1.3	144	12	31	.0	.0	.4	269	134	1.2		T		
1100	5055	27 C	8.2	394	1.70	.99	1.35	.03	2.88	.25	.87	.00	--	--	204	0	2.1				
		T-09.H1																			
		ATASCADERO HSA																			
		24S/11E-24N01 M																			
08/13/85	5115				61	27	68	3.2	172	80	56	53.2	--	--		244	1.9				
	5115				7.4	710	3.04	2.22	2.96	1.67	1.58	.86	--	--	452	91	3.9				
		24S/11E-35C01 M																			
08/13/85	5115				26	13	286	3.1	340	265	160	3.1	--	--		140	10.5				
	5115				7.8	1560	1.30	1.07	12.44	5.52	4.51	.05	--	--	960	0	21.8				

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TABLE E-2 MINOR ELEMENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400 – Santa Clara Valley Water District
5701 – California Water Service Company

Abbreviations

TIME	- Pacific Standard Time on a 24-hour clock
EC	- Electrical conductance in microsiemens at 25 o C
TEMP	- Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	- Measure of acidity or alkalinity of water
CHROM (ALL)	- All chromium
CHROM (HEX)	- Hexavalent chromium
D	- Dissolved
T	- Total
REM	- Remarks; code letter are:
	P - Laboratory pH was substituted for field pH, which was not available.
	E - Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

MINOR ELEMENT ANALYSES OF GROUND WATERS

DATE TIME	SAMP LAR	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS				PER LITER		LEAD		MERCURY		SILVER		CUM	
					ARSENIC	RADIUM CADMIUM	CHROM (ALL) CHROM (HEVI)	COPPER IRON	MANGANESE	SELENIUM	ZINC							
			F E-04 E-04.0 03S/05W-20F03 M SAN FRANCISCO BAY HA SOUTH BAY HIJ SAN MATEO RAYSTONE HA															
06/26/85 0930	5701 5701		1230	7.4	--	--	--	--	0.0 0.0	T T	-- 0.31	T	--	--	-- 0.0	T	P F	
			03S/05W-20K01 M															
06/26/85 0830	5701 5701		950	7.6	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			03S/05W-20K02 M															
06/26/85 0930	5701 5701		915	7.8	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			F-05 F-05.C 06S/01E-16K03 M SANTA CLARA HIJ COYOTE CREEK HA															
06/26/85 1000	5701 5701		980	22 C 7.9	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			06S/01E-27L03 M															
11/26/84 1330	2400 2400		700	17 C	0.0	0	0.11 0.00	0	0.00 --	0	0.0 0.02	0	-- 0.0	0	0.00 0.0	0	P F	
			06S/01E-32F01 M															
07/09/85 1030	5701 5701		640	22 C 7.9	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			06S/01E-32M05 M															
11/26/84 1130	2400 2400		1150		0.0	0	0.21 0.00	0	0.00 --	0	0.01 0.32	0	-- 0.0	0	0.00 0.0	0	P F	
			07S/01E-03A01 M															
08/26/85 0930	5701 5701		1010	22 C 7.7	--	--	--	--	0.0 0.0	T T	-- 0.12	T	--	--	-- 0.0	T	P F	
			07S/01E-07R02 M															
07/01/85 1030	5701 5701		570	21 C 7.7	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-09D02 M															
08/28/85 0915	5701 5701		800	7.9	--	--	--	--	0.0 0.74	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-09D03 M															
08/28/85 0915	5701 5701		865	7.8	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-09D04 M															
07/01/85 1115	5701 5701		795	21 C 7.6	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-12H02 M															
11/27/84 1000	2400 2400		1120	18.7C 8.2	0.00	T	0.09 0.08	T	0.00 2.7	T	0.01 0.22	T	-- 0.00	T	0.00 0.00	T	P F	
			07S/01E-15N03 M															
08/19/85 1100	5701 5701		815	22 C 7.7	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-16C02 M															
08/28/85 0900	5701 5701		880	7.9	--	--	--	--	0.0 0.26	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-16C04 M															
07/01/85 1000	5701 5701		680	20 C 7.9	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-16C06 M															
07/09/85 0900	5701 5701		825	20 C 7.6	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-16C07 M															
07/09/85 0900	5701 5701		705	22 C 7.6	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-20003 M															
10/17/84 1130	5701 5701		805	19 C 7.3	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	
			07S/01E-20004 M															
10/17/84 1130	5701 5701		795	19 C 7.3	--	--	--	--	0.0 0.0	T T	-- 0.0	T	--	--	-- 0.0	T	P F	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAR	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER		LEAD	MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
						RADIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON				
E E-05 E-05.C 07S/01E-21F02 M												
SAN FRANCISCO RAY HA SANTA CLARA HU CCYOTE CREEK HA												
07/01/85 0930	5701 5701		780	19 C 7.8	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
07S/01E-22H04 M												
08/26/85 0915	5701 5701		850	18 C 7.9	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
07S/01E-32G01 M												
08/19/85 1045	5701 5701		565	18 C 7.5	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
07S/01E-32J03 M												
08/19/85 1030	5701 5701		540	16 C 7.2	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P F
07S/02E-07H02 M												
12/04/84 1100	2400 2400		825	15.2C	0.00 T	0.11 T 0.000 T	0.000 T --	0.05 T 0.93 T	0.02 T 0.41 T	-- T 0.14 T	0.000 T 0.00 T	T T
07S/02E-20R01 M												
11/27/84 0930	2400 2400		960	18.1C 7.2	0.00 T	0.14 T 0.000 T	0.001 T --	0.00 T --	0.00 T --	-- T 0.00 T	0.000 T 0.00 T	T T
07S/02E-20C04 M												
12/04/84 0930	2400 2400				0.00 T	0.11 T 0.000 T	0.000 T --	0.01 T --	0.00 T --	-- T 0.00 T	0.000 T 0.00 T	T T
08S/01E-04H01 M												
07/11/85 1100	5701 5701		485	18 C 7.4	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-04H02 M												
07/11/85 1100	5701 5701		490	18 C 7.3	--	--	--	0.0 T 0.06 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-05H03 M												
08/19/85 0945	5701 5701		505	18 C 7.0	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-05H04 M												
08/21/85 0930	5701 5701		500	18 C 7.2	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-10G02 M												
07/11/85 1130	5701 5701		610	18 C 7.5	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-10G03 M												
07/11/85 1130	5701 5701		635	18 C 7.4	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-10K03 M												
08/21/85 0900	5701 5701		610	17 C 7.4	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
08S/01E-21C02 M												
12/04/84 1330	2400 2400		700	17.5C	0.00 T	0.26 T 0.000 T	0.000 T --	0.00 T 0.13 T	0.03 T 0.00 T	-- T 0.00 T	0.000 T 0.00 T	T T
09S/03E-07H04 M												
04/07/85 0900	2400 2400		610	18 C 7.1	0.0 D	0.17 D 0.00 D	0.00 D --	0.0 D 0.52 D	0.0 D 0.0 D	-- D 0.0 D	0.00 D 0.1 D	D D
06S/01W-22J02 M												
11/26/84 1000	2400 2400		480	24.5C	0.0 D	0.37 D 0.00 D	0.00 D --	0.03 D 0.01 D	0.02 D 0.02 D	-- D 0.0 D	0.00 D 0.0 D	D D
06S/01W-23C03 M												
11/26/84 1300	2400 2400		675		0.0 D	0.24 D 0.005 D	0.00 D --	0.0 D 0.02 D	0.0 D 0.0 D	-- D 0.0 D	0.00 D 0.0 D	D D
06S/01W-32D02 M												
11/19/84 1045	2400 2400		925	19 C	0.0 D	0.34 D 0.00 D	0.00 D --	0.0 D 0.0 D	0.0 D 0.0 D	-- D 0.0 D	0.00 D 0.0 D	D D
06S/02W-19H01 M												
07/26/85 1200	5701 5701		655	21 C 7.6	--	--	--	0.0 T 0.49 T	-- T 0.0 T	-- --	-- T 0.0 T	P E
06S/02W-19H10 M												
07/26/85 1144	5701 5701		615	21 C 7.7	--	--	--	0.0 T 0.0 T	-- T 0.0 T	-- --	-- T 0.0 T	P E

MINOR ELEMENT ANALYSES OF GROUND WATER

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TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAR	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER 7INC	REM	
E E-05 E-05.C 07S/01W-24J03 M													
08/26/85	5701			19 C		--	--	0.0 T	--	--	--	P	
0845	5701		625	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E	
07S/01W-26R02 M													
08/21/85	5701			17 C		--	--	0.0 T	--	--	--	P	
0830	5701		485	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E	
07S/01W-26R03 M													
08/26/85	5701			17 C		--	--	0.0 T	--	--	--	P	
0830	5701		490	7.7	--	--	--	0.0 T	0.0 T	--	0.0 T	E	
07S/02W-03A02 M													
06/25/85	5701			19 C		--	--	0.0 T	--	--	--	P	
1245	5701		620	7.4	--	--	--	0.0 T	0.0 T	--	0.0 T	E	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAR	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS BARIUM CAESIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	RFM						
T-05 T-05.C 09S/03E-16J02 M													CENTRAL COAST HA PAJARO RIVER HU SOUTH SANTA CLARA VALLEY HA					
04/17/85	2400			17 C			0.22	D	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1010	2400		690	6.6	0.0	D	0.002	D	--		0.14	D	0.0	D	0.0	n	0.0	n
09S/03E-27604 M																		
04/24/85	2400			19 C			0.19	n	0.00	D	0.19	D	0.0	D	--	n	0.00	n
1030	2400		490	6.9	0.0	D	0.00	D	--		0.13	D	--		0.0	n	0.0	D
10S/03E-01E02 M																		
04/18/85	2400			17 C			0.17	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0930	2400		540	6.4	0.0	D	0.00	D	--		1.20	D	0.0	D	0.0	n	0.0	n
10S/03E-24N05 M																		
04/18/85	2400			18.5C			0.15	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1045	2400		900	6.3	0.0	D	0.00	D	--		0.07	D	0.0	D	0.0	n	0.0	n
10S/04E-18J02 M																		
04/24/85	2400			18 C			0.25	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0915	2400		550	6.3	0.0	D	0.00	D	--		0.38	D	0.0	D	0.0	n	0.0	n
10S/04E-29F01 M																		
04/29/85	2400			18 C			0.43	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1230	2400		430	6.5	0.0	D	0.00	D	--		0.05	D	0.0	D	0.0	n	0.0	n
10S/04E-31A01 M																		
04/22/85	2400			18 C			0.20	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1020	2400		630	6.6	0.0	D	0.00	D	--		0.19	D	0.0	D	0.0	n	0.0	n
10S/04E-32M01 M																		
05/01/85	2400			19 C			0.34	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0945	2400		460	6.9	0.0	D	0.00	D	--		0.03	D	0.0	D	0.0	n	0.0	n
10S/04E-34L05 M																		
04/22/85	2400			18 C			0.25	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0920	2400		860	6.3	0.0	D	0.00	D	--		0.72	D	0.0	D	0.0	n	0.0	n
11S/03E-02E01 M																		
04/23/85	2400			18 C			0.13	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0910	2400		400	6.3	0.0	D	0.00	D	0.06	D	--		0.0	D	0.0	n	0.0	n
11S/04E-04P03 M																		
04/25/85	2400			18 C			0.22	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0915	2400		530	7.2	0.0	D	0.00	D	--		0.05	D	0.0	D	0.0	n	0.0	n
11S/04E-06R01 M																		
04/25/85	2400			19 C			0.22	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1025	2400		490	6.8	0.0	D	0.00	D	--		0.03	D	0.0	D	0.0	n	0.0	n
11S/04E-08K01 M																		
05/06/85	2400			18 C			0.34	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1025	2400		690	6.3	0.0	D	0.00	D	--		0.02	D	0.0	D	0.0	n	0.0	n
11S/04E-10D04 M																		
04/30/85	2400			17 C			0.13	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
0940	2400		1020	6.9	0.0	D	0.00	D	--		0.06	D	0.0	D	0.0	n	0.0	n
11S/04E-10D05 M																		
04/23/85	2400			18 C			0.13	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1045	2400		800	6.4	0.0	D	0.00	D	--		0.03	D	0.0	D	0.02	n	0.1	n
11S/04E-15P01 M																		
05/02/85	2400			20 C			0.44	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1010	2400		600	7.1	0.0	D	0.00	D	--		0.15	D	0.0	D	0.0	n	0.0	n
11S/04E-17L05 M																		
04/29/85	2400			18 C			0.19	n	0.00	D	0.0	D	0.0	D	--	n	0.00	n
1040	2400		470	6.8	0.0	D	0.00	D	--		0.36	D	0.0	D	0.0	n	0.0	n
T-09 T-09.A 14S/03E-20C01 M													SALINAS HU LOWER SALINAS VALLEY HA					
07/24/85	5701			21 C			--	--	0.005	T	--		--		--		--	
1415	5701				--		--	--	0.005	T	0.005	T	--		--		0.005	T
14S/03E-20M02 M																		
07/25/85	5701						--	--	0.005	T	--		--		--		--	
1502	5701				--		--	--	0.005	T	0.005	T	--		--		0.005	T
14S/03E-29C01 M																		
07/23/85	5701						--	--	0.005	T	--		--		--		--	
1400	5701				--		--	--	0.005	T	0.005	T	--		--		0.005	T

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS RARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
T T-09 T-09.A 14S/03E-31L01 M												
CENTRAL COAST WA SALINAS HU LOWER SALINAS VALLEY WA												
07/24/85	5701			21 C	--	--	--	0.005 T	--	--	--	
1429	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
14S/03E-33G01 M												
06/20/85	5701			21 C	--	--	--	0.005 T	--	--	--	
1320	5701				--	--	--	0.12 T	0.005 T	--	0.005 T	
14S/03E-33001 M												
06/20/85	5701			20 C	--	--	--	0.005 T	--	--	--	
1600	5701				--	--	--	0.005 T	0.005 T	--	0.04 T	
15S/02E-25C01 M												
07/23/85	5701				--	--	--	.005 T	--	--	--	
1446	5701				--	--	--	.12 T	.005 T	--	.005 T	
15S/03E-02G01 M												
05/15/85	5701			21 C	.0005 T	.06 T	--	.005 T	.0005 T	--	--	
	5701					.0001 T	--	.005 T	.005 T	.001 T	.005 T	
15S/03E-03N02 M												
10/10/84	5701			20 C	--	--	--	.002 T	--	--	--	
1525	5701				--	--	--	.002 T	.001 T	--	.06 T	
15S/03E-04001 M												
07/25/85	5701				--	--	--	0.005 T	--	--	--	
1522	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
15S/03E-05C02 M												
06/20/85	5701			21 C	--	--	--	0.005 T	--	--	--	
1320	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
T-09.D 20S/08E-08C02 M												
06/26/85	5701				--	--	--	0.005 T	--	--	--	
1000	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
20S/08E-08002 M												
06/26/85	5701				--	--	--	0.005 T	--	--	--	
0930	5701				--	--	--	0.005 T	0.005 T	--	0.005 T	
T-09.E 15S/02E-25C01 M												
07/23/85	5701				--	--	--	.005 T	--	--	--	
1446	5701				--	--	--	.12 T	.005 T	--	.005 T	

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TABLE E-3
SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2400 – Santa Clara Valley Water District

Abbreviations

TIME	- Pacific Standard Time on a 24-hour clock
EC	- Electrical conductance in microsiemens at 25° C
TEMP	- Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	- Measure of acidity (<7) or alkalinity (>7) of water
D	- Dissolved
T	- Total

TABLE E-3

SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINIUM	ANTIMONY RERYLLIUM	RISPUTH CORALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM	RFM
E E-05 E-05.C 06S/01E-27L03 M SAN FRANCISCO RAY HA SANTA CLARA HU COYOTE CREEK HA												
11/26/84 1330	2400 2400		700	17 C	0.07 D	0.00 D 0.00 D	-- --	-- --	-- --	0.0 D 0.75 D	-- --	
06S/01E-32M05 M												
11/26/84 1130	2400 2400		1150		0.01 D	0.01 D 0.00 D	-- --	-- --	-- --	0.0 D 1.10 D	-- --	
07S/01E-12M02 M												
11/27/84 1000	2400 2400		1120	18.7C 8.2	0.39 T	0.00 T 0.000 T	-- --	-- --	-- --	0.00 T 0.70 T	-- --	
07S/02E-07M02 M												
12/04/84 1100	2400 2400		825	15.2C	0.11 T	0.00 T 0.000 T	-- --	-- --	-- --	0.00 T 1.10 T	-- --	
07S/02E-20R01 M												
11/27/84 0930	2400 2400		960	18.1C 7.2	0.00 T	0.00 T 0.000 T	-- --	-- --	-- --	0.00 T 0.88 T	-- --	
07S/02E-20C04 M												
12/04/84 0930	2400 2400		825		0.04 T	0.00 T 0.000 T	-- --	-- --	-- --	0.00 T 0.84 T	-- --	
08S/01E-21C02 M												
12/04/84 1330	2400 2400		700	17.5C	0.00 T	-- 0.000 T	-- --	-- --	-- --	0.00 T 0.43 T	-- --	
09S/03E-07004 M												
04/07/85 0900	2400 2400		610	18 C 7.1	0.03 D	0.0 D 0.00 D	-- --	-- --	-- --	0.0 D 0.77 D	-- --	
06S/01W-22J02 M												
11/26/84 1000	2400 2400		480	24.5C	0.0 D	0.0 D 0.00 D	-- --	-- --	-- --	0.0 D 0.25 D	-- --	
06S/01W-23C03 M												
11/26/84 1300	2400 2400		675		0.0 D	0.0 D 0.00 D	-- --	-- --	-- --	0.01 D 0.55 D	-- --	
06S/01W-32D02 M												
11/19/84 1045	2400 2400		925	19 C	0.0 D	0.0 D 0.00 D	-- --	-- --	-- --	0.0 D 0.57 D	-- --	
06S/02W-34M01 M												
11/19/84 0925	2400 2400		800	16 C	0.0 D	0.0 D 0.00 D	-- --	-- --	-- --	0.0 D 0.49 D	-- 0.0 D	

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAR	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER										LITHIUM		NICKEL		TITANIUM		REM
						ANTIMONY BERYLLIUM	ARSENIC COPPER	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM											
T T-05 T-05.C 09S/03E-16J02 M CENTRAL COAST RR PAJARO RIVER MII SOUTH SANTA CLARA VALLEY MA																						
04/17/85	2400			17 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.69	0	--	--
1010	2400		690	6.6	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.69	0	--	0.69	0	--	--
09S/03E-27604 M																						
04/24/85	2400			19 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.57	0	--	--
1030	2400		490	6.9	0.05	0	0.00	0	--	--	--	--	0.0	0	--	0.57	0	--	0.57	0	--	--
10S/03E-01E02 M																						
04/18/85	2400			17 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	--	0	--	--
0930	2400		540	6.4	0.0	0	0.00	0	--	--	--	--	0.0	0	--	--	0	--	--	0	--	--
10S/03E-24N05 M																						
04/18/85	2400			18.5C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.27	0	--	--
1045	2400		900	6.3	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.27	0	--	0.27	0	--	--
10S/04E-18J02 M																						
04/24/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.57	0	--	--
0915	2400		550	6.3	0.01	0	0.00	0	--	--	--	--	0.0	0	--	0.57	0	--	0.57	0	--	--
10S/04E-29F01 M																						
04/29/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.41	0	--	--
1230	2400		430	6.5	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.41	0	--	0.41	0	--	--
10S/04E-31A01 M																						
04/22/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.45	0	--	--
1020	2400		630	6.6	0.01	0	0.00	0	--	--	--	--	0.0	0	--	0.45	0	--	0.45	0	--	--
10S/04E-32H01 M																						
05/01/85	2400			19 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.57	0	--	--
0945	2400		460	6.9	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.57	0	--	0.57	0	--	--
10S/04E-34L05 M																						
04/22/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.55	0	--	--
0920	2400		860	6.3	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.55	0	--	0.55	0	--	--
11S/03E-02E01 M																						
04/23/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.29	0	--	--
0910	2400		400	6.3	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.29	0	--	0.29	0	--	--
11S/04E-04P03 M																						
04/25/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.65	0	--	--
0915	2400		530	7.2	0.01	0	0.00	0	--	--	--	--	0.0	0	--	0.65	0	--	0.65	0	--	--
11S/04E-06R01 M																						
04/25/85	2400			19 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.51	0	--	--
1025	2400		480	6.6	0.0	0	--	--	--	--	--	--	0.0	0	--	0.51	0	--	0.51	0	--	--
11S/04E-08R01 M																						
05/06/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.49	0	--	--
1025	2400		690	6.3	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.49	0	--	0.49	0	--	--
11S/04E-10N04 M																						
04/30/85	2400			17 C		0.01	0	0.01	0	--	--	--	0.0	0	--	0.0	0	--	0.73	0	--	--
0940	2400		1020	6.9	0.03	0	0.00	0	--	--	--	--	0.0	0	--	0.73	0	--	0.73	0	--	--
11S/04E-10N05 M																						
04/23/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.88	0	--	--
1045	2400		800	6.4	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.88	0	--	0.88	0	--	--
11S/04E-15P01 M																						
05/02/85	2400			20 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.68	0	--	--
1010	2400		600	7.1	0.0	0	0.00	0	--	--	--	--	0.0	0	--	0.68	0	--	0.68	0	--	--
11S/04E-17L05 M																						
04/29/85	2400			18 C		0.0	0	0.0	0	--	--	--	0.0	0	--	0.0	0	--	0.34	0	--	--
1040	2400		470	6.8	0.08	0	0.00	0	--	--	--	--	0.0	0	--	0.34	0	--	0.34	0	--	--

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TABLE E-4 **NUTRIENT ANALYSES OF GROUND WATER**

Lab and Sampler Agency Code

2400 – Santa Clara Valley Water District

Abbreviations

TIME	– Pacific Standard Time on a 24-hour clock
GH	– Instantaneous gage height, in feet, above an established datum
Q	– Instantaneous discharge in cubic feet per second
TEMP	– Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
Depth	– Depth, in feet, when measurement was taken
F EC	– Field determination of electrical conductance in microsiemens at 25°C
F PH	– Field determination of acidity or alkalinity
TURB	– Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
F-CO2	– Field determination of carbon dioxide in milligrams per liter
P ALK	– Field determination of alkalinity (Phenol)
T ALK	– Field determination of alkalinity (Total)

(Nitrogen Series as N)

D N02+N03	– Dissolved nitrite and nitrate
D N02	– Dissolved nitrite
D NO3	– Dissolved nitrate
D ORG N	– Dissolved organic nitrogen
T ORG N	– Total organic nitrogen
D NH 3	– Dissolved ammonia
T NH 3	– Total ammonia
T (NH3+ORG N)	– Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04	– Dissolved acid hydrolyzable phosphate
D O-P04	– Dissolved orthophosphate
T O-P04	– Total orthophosphate
D TOT P	– Dissolved total phosphorus
T TOT P	– Total phosphorus

TABLE E-4

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME		SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CN2	FIELD P ALK T ALK	N NO2 + NO3	N NO2 N NO3	CONSTITUENTS IN MILLIGRAMS PER LITER										D TOT P T TOT P	REM
										D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.M.P04	D N-P04 T N-P04							
E E-05 E-05.C 06S/01E-27L03 M SAN FRANCISCO RAY WA SANTA CLARA MU COYOTE CREEK HA																					
11/26/84 1330	2400 2400			17 C	700	13A		--	0.006 3.6	-- --	-- --	-- --	-- --	-- --		0.02 --					
06S/01E-32M05 M																					
11/26/84 1130	2400 2400				1150	8A		--	0.001 0.02	-- --	-- --	-- --	-- --	-- --		0.12 --					
07S/01E-12M02 M																					
11/27/84 1000	2400 2400			18.7C	1120 8.2	51AL		--	0.000 0.37	-- --	-- --	-- --	-- --	-- --		-- 0.12					
07S/02E-07M02 M																					
12/04/84 1100	2400 2400			15.2C	825	30AL		--	0.000 0.85	-- --	-- --	-- --	-- --	-- --		-- 0.13					
07S/02E-20B01 M																					
11/27/84 0930	2400 2400			18.1C	960 7.2	1A		--	0.001 7.2	-- --	-- --	-- --	-- --	-- --		0.13 --					
07S/02E-20C04 M																					
12/04/84 0930	2400 2400			19.5C	825	26A		--	0.00 1.9	-- --	-- --	-- --	-- --	-- --		0.05 --					
08S/01F-21C02 M																					
12/04/84 1330	2400 2400			17.5C	700	1A		--	0.00 3.6	-- --	-- --	-- --	-- --	-- --		0.02 --					
09S/03E-07004 M																					
04/17/85 0900	2400 2400			18 C	610 7.1	2A		--	0.001 6.3	-- --	-- --	-- --	-- --	-- --		0.02 --					
06S/01V-22J02 M																					
11/26/84 1000	2400 2400			24.5C	480	0A		--	0.009 0.04	-- --	-- --	-- --	-- --	-- --		0.05 --					
06S/01V-23C03 M																					
11/26/84 1330	2400 2400				675	0A		--	0.00 1.9	-- --	-- --	-- --	-- --	-- --		0.06 --					
06S/01V-32D02 M																					
11/19/84 1045	2400 2400			19 C	925	0A		--	0.00 7.1	-- --	-- --	-- --	-- --	-- --		0.06 --					
06S/02V-34M01 M																					
11/19/84 0925	2400 2400			16 C	800	1A		--	0.00 11.2	-- --	-- --	-- --	-- --	-- --		0.05 --					

TABLE E-4 (CONTINUED)
NUTRIENT ANALYSES OF GROUND WATER

				FIELD				CONSTITUENTS IN MILLIGRAMS PER LITER											
DATE	SAMP	G.H.	TEMP	F EC	TURB	P ALK	D NO2 +	O NO2	D ORG N	D NH3	T NH3 +	DIS	D O-PO4	D TOT P	REM				
TIME	LAB	Q	DEPTH	F PH	F CO2	T ALK	NO3	D NO3	T ORG N	T NH3	ORG N	A.W.PD4	T O-PO4	T TOT P					
T T-05 T-05.C 09S/03E-16J02 M																			
04/17/85	2400		17 C	690	04		--	0.001	--	--		--	--	0.01					
1010	2400			6.6				18.1	--	--	--	--	--	--					
09S/03E-27G04 M																			
04/24/85	2400		19 C	490	14		--	0.00	--	--		--	--	0.03					
1030	2400			6.9				5.2	--	--	--	--	--	--					
10S/03E-01E02 M																			
04/18/85	2400		17 C	540	04		--	0.00	--	--		--	--	0.01					
0930	2400			6.4				10.3	--	--	--	--	--	--					
10S/03E-24N05 M																			
04/18/85	2400		18.5C	900	14		--	0.001	--	--		--	--	0.04					
1045	2400			6.3				36.7	--	--	--	--	--	--					
10S/04E-18J02 M																			
04/24/85	2400		18 C	550	14		--	0.00	--	--		--	--	0.03					
0915	2400			6.3				7.8	--	--	--	--	--	--					
10S/04E-29F01 M																			
04/29/85	2400		18 C	430	04		--	0.00	--	--		--	--	0.01					
1230	2400			6.5				7.3	--	--	--	--	--	--					
10S/04E-31A01 M																			
04/22/85	2400		18 C	630	14		--	0.00	--	--		--	--	0.02					
1020	2400			6.6				11.2	--	--	--	--	--	--					
10S/04E-32H01 M																			
05/01/85	2400		19 C	460			--	0.00	--	--		--	--	0.06					
0945	2400			6.9				5.4	--	--	--	--	--	--					
10S/04E-34L05 M																			
04/22/85	2400		18 C	460	14		--	0.007	--	--		--	--	0.03					
0920	2400			6.3				17.3	--	--	--	--	--	--					
11S/03E-02E01 M																			
04/23/85	2400		18 C	400	14		--	0.00	--	--		--	--	0.01					
0910	2400			6.3				1.4	--	--	--	--	--	--					
11S/04E-04P03 M																			
04/25/85	2400		18 C	530			--	0.00	--	--		--	--	0.03					
0915	2400			7.2				6.2	--	--	--	--	--	--					
11S/04E-06R01 M																			
04/25/85	2400		19 C	480			--	0.00	--	--		--	--	0.06					
1025	2400			6.8				6.3	--	--	--	--	--	--					
11S/04E-08K01 M																			
05/06/85	2400		18 C	690	04		--	0.00	--	--		--	--	0.03					
1025	2400			6.3				0.27	--	--	--	--	--	--					
11S/04E-10D04 M																			
04/30/85	2400		17 C	1020	04		--	0.00	--	--		--	--	0.02					
0940	2400			6.9				24.2	--	--	--	--	--	--					
11S/04E-10N05 M																			
04/23/85	2400		18 C	800	04		--	0.00	--	--		--	--	0.02					
1045	2400			6.4				18.0	--	--	--	--	--	--					
11S/04E-15P01 M																			
05/02/85	2400		20 C	600	04		--	0.00	--	--		--	--	0.06					
1010	2400			7.1				8.1	--	--	--	--	--	--					
11S/04E-17L05 M																			
04/29/85	2400		18 C	470	14		--	0.00	--	--		--	--	0.04					
1040	2400			6.8				2.4	--	--	--	--	--	--					

Gaylord